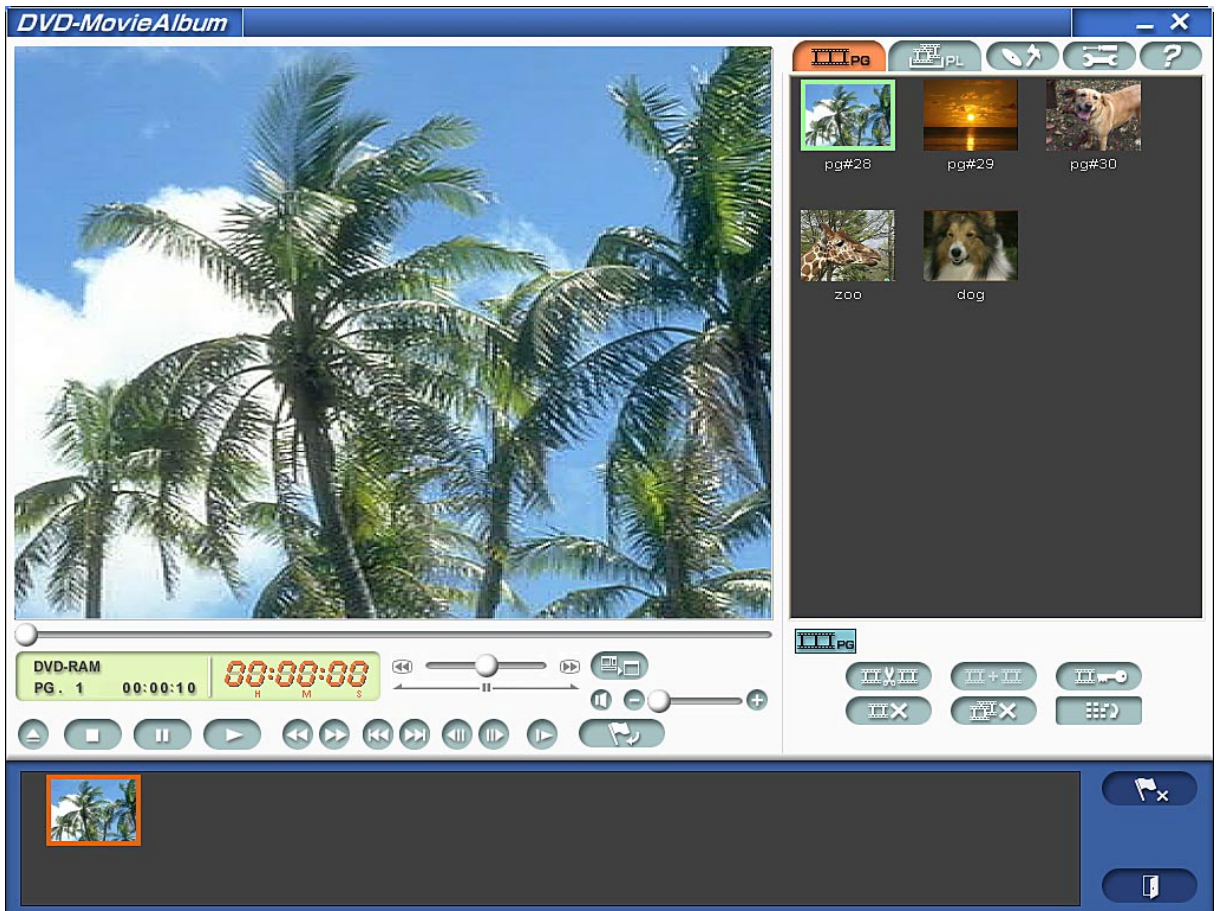


DVD-MovieAlbumSE 3

Operating Instructions



Thank you for purchasing DVD-MovieAlbumSE 3

Before use, please read these instructions completely.

Preface

What is DVD-MovieAlbum?

This software, combined with a 4.7-GB DVD-RAM drive, provides a recording, playing and editing environment on a personal computer for videos compliant with "Video Recording Standards"(*1) specified by the DVD Forum.

This software, by providing editing functions:
Allows a disc compatible with a DVD Video Recorder to be created, videos recorded on a DVD Video Recorder to be played, unnecessary data to be deleted, a playlist to be created easily using a mouse and keyboard and title names to be registered or changed on a personal computer.

(*1) The standards to record a video and audio on a DVD disc, such as DVD-RAM. Video and audio recorded on DVD-RAM discs in accordance with these standards can be played or edited on a DVD recorder or on a personal computer using this software.

- When combined with a DVD-ROM drive, a write protect mark appears on the program edit screen. (However, virtual edition is allowed on a personal computer.)
- This manual describes the operation of this software combined with a DVD-RAM drive.
- In this manual DVD-MovieAlbumSE 3 is referred to as DVD-MovieAlbum.

Note:

The following function is not supported by this version of the DVD-MovieAlbum.

- DV Capture

Before using:

■ For important recording or editing:

When important recording or editing is performed, carry out a test recording or edition to ensure the operation can be performed correctly.

- We are not liable for any loss or damage to data caused by any failure while this software, DVD-RAM drive and/or DVD-RAM disc is used.

■ Copyright

- The data recorded or edited by you can only be used for personal enjoyment and cannot be used without the permission of the copyright holder.
- Depending on the environment in which the personal computer is used, the actual description and screen display may differ from those described in the operation manual. Please duly understand the discrepancies mentioned above.
- The basic operations or terms are not explained here. Please refer to the operation manuals for your personal computer.

- Windows®, Microsoft®, DirectX® are registered trademarks of Microsoft Corporation of the United States in the United States and other nations. (The official name of Windows is Microsoft Windows Operating System.)
- Pentium® and Celeron® are trademarks or registered trademarks of Intel Corporation.
- Acrobat® is a registered trademark of Adobe Systems Incorporated.
- Other company names and product names are trademarks or registered trademarks of the respective companies.
- LEADTOOLS
Copyright(C) 2001 LEAD Technologies, Inc.

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Features

DVD-MovieAlbum allows the images recorded by a DVD video recorder to be played or edited on a personal computer. DV motion picture editing software MotionDV STUDIO allows edited images (AVI file in DV format) taken by a digital video camera to be recorded on a DVD-RAM disc. (The images are recorded in the video recording format.)

Recording function

This software supports recording in the video recording format with the following procedure.

Offline recording from AVI files using the image importing function.

Use the MPEG2 software compressing engine which comes with DVD-MovieAlbum to convert an AVI file in DV format imported onto a hard disk with DV motion picture editing software, such as MotionDV STUDIO, into a file in video recording format, which can then be recorded on a 4.7-GB DVD-RAM disc.

- The time required for conversion is varied depending on the environment of the personal computer, recording mode and the setting of the importing size in use.
- If the importing size is decreased, the file can be converted at a faster speed but the resolution will be degraded due to the limited number of pixels.
- The recording mode can be selected from three modes: high picture quality (XP) mode (recording for approx. one hour, max.), standard (SP) mode (approx. two hours, max.) and long play (LP) mode (approx. four hours, max.) Select one depending on the application.

Offline recording from MPEG files using the image importing function.

Converts an MPEG2 file imported onto a hard disk with an MPEG capturing board, etc. into a file in video recording format, which can then be recorded on a 4.7-GB DVD-RAM disc.

- To import an MPEG2 file with DVD-MovieAlbum, an import information file (with extension MTV) is required to record the file in video recording format on a DVD-RAM disc. In this manual, an MPEG2 file added with such an import information file is referred to as an MPEG file in MTV format. The MPEG file in MTV format

means an MPEG data file paired with a file with an extension "MTV" as follows.

Test.mpg: MPEG file (the extension is varied depending on the software in use. For example, Test.m2p.)

Test.mtv: A file, compliant with the video recording standard, describing the import information (Do not change the file name above. If changed, importing an image as an MPEG file will be disabled.)

- Refer to your chosen software manual for the method to record an MPEG file in MTV format.

Offline recording from BMP or JPEG files using the still image importing function.

The still images, such as BMP or JPEG files, previously imported onto the hard disk are converted into those in video recording format and are recorded onto a 4.7-GB DVD-RAM disc, etc.

Software to copy a disc in video recording format comes with the software.

Copying software compliant with the video recording standard is attached to the software. This software allows a disc to be copied with easy operation. (Also, desired programs can only be additionally copied.) Explorer or similar utilities are not capable of copying files compliant with the video recording standard. Use the copying software attached.(P64)

Play function

Allows DVD-RAM disc recording files compliant with the video recording format to be played. After this software is activated, simply insert a DVD-RAM disc into the DVD-RAM drive, and the contents recorded are automatically displayed. (Automatic mounting) Double-click a program, and it is played.

Simplified play with thumbnail (representative image)^{(*)1}

Activate this software and set a recorded disc into the DVD-RAM drive, and the beginning images of the recorded programs are automatically displayed in thumbnail. Simply double-click a program^{(*)2} to be viewed, and it is played. The thumbnail image can be replaced with another favorite image within the program.

(*)1 Thumbnail (representative image) is a small still image of an arbitrary frame of the program. It can be set as a representative image of the program or playlist. Also a marker or scene is displayed in thumbnail.

(*)2 A program is a unit of video and audio recorded continually.

Easy location of the start of a recorded sequence to be viewed using the playlist or index function

Inserting markers into favorite scenes of the program recorded or creating a playlist allows a program to be easily viewed. (Refer to the "Edit function" to the right for the insertion of a marker and creation of a playlist.)

High-speed shuttle search capable of a maximum 128 times-speed.

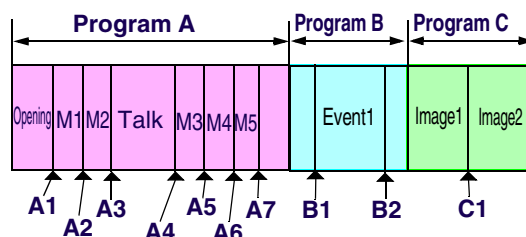
High-speed shuttle search capable of a maximum 128 times-speed supported allows you to easily locate the start of a recorded sequence to be viewed.

Edit function

In this software, the functions of marker edit or playlist edit are referred to as "edit". Markers can be attached to the frames to be viewed in the original images actually recorded and playlists can be created by selecting favourite scenes, using a keyboard or mouse.

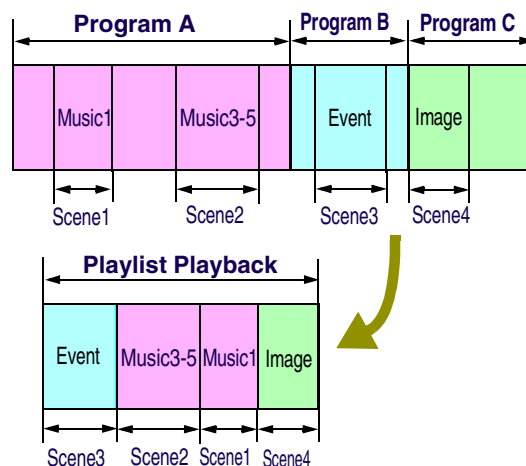
Marker insertion (marker edit)

Just like inserting a bookmark into a book, insert a marker in a program, and the start of a recorded sequence to be viewed can be instantly located. Add titles (for example, titles of pieces of music) to the markers (referred to as titled markers), and the music program can be easily shown in the form of menu. A1 through A7, B1 through B2 and C1 in Figure below are markers.



Playlist edit

Allows your favorite playlist to be created by selecting scenes you would like to view. The playlist can be created from different programs. It also allows the scenes to be played in an arbitrary order. This is a convenient edit function.



The descriptive figure above is a conceptual figure. It is different from the actual data structure.

Image export function

Programs, scenes and playlists can be exported (output) as files in MPEG2 or BMP format. The files exported can be used for creation of DVD-Video, etc. (To create a DVD-Video, application software is required.)

When images are exported, an HTML-format menu which can be viewed by a browser is also created. If folders containing a set of files which are output simultaneously with the desired file are burnt onto a DVD-R or CD-R medium, such can be used as a disc with menu which can be played by simply clicking the program, scene or playlist. (An MPEG2 decoder is required to play images.)

Write-protecting and unprotecting programs

You can write-protect or unprotect each program. Using this function allows you to avoid such problems as editing or erasing programs by mistake.

Dividing, combining, erasing programs and erasing all programs

Programs can be divided, combined, or erased. For erasure, you can select from single-program erasure and all-programs erasure.

Virtual editing function on DVD-ROM drive

Even if you use a DVD-ROM drive, you can edit programs and playlists using this software. (The editing information is saved on the personal computer and can be used when the same DVD-RAM disc is used.)

Notes:

Concerning markers

- The maximum number of markers settable on a side of a DVD-RAM disc is 999.
- The maximum number of titled markers settable on a side of a DVD-RAM disc is 99. (If 99 titled markers have been created, the remaining 900 markers will be without a title.)
- The markers are always sorted by date and time. The order of play cannot be changed. If you wish to play the markers in an arbitrary order, use playlist instead of marker.

Concerning playlist

- The maximum number of playlists registerable on a side of a DVD-RAM disc is 99.
- The maximum number of scenes registerable on a side of a DVD-RAM disc is 999.
- The editing resolution is approx. 0.5 seconds. Edition by frame is not supported.

Basic editing procedure

It is recommended to use the following procedure to edit recorded programs. If programs are divided or erased after the playlist edit has been carried out, the scenes using these programs are deleted from the playlist.

1. **If there are unnecessary images, first delete the unnecessary portions using the dividing or erasing function.**(P29, 31)
2. **Combine the programs into a suitable size using the combining function.**(P30)
3. **Assign an easily identifiable title name to each program.**(P33)
4. **Carry out the marker edit or playlist edit to create a favorable menu.**(P34, 35, 43, 50)

Miscellaneous

- Neither the marker edit nor playlist edit exports or replaces the original videos. The videos will not be degraded and the disc capacity will not be affected.

Confirming the Environment of Connected Equipment

Concerning the operating conditions

To use this software, the following environment is required. Prior to using this software, build in or connect necessary equipment and install the software. (Refer to the respective manuals for information regarding instalment.)

Personal computer	IBM PC/AT compatible computer
OS	Windows® 98 ^{(*1)(*2)} , Windows® Millennium Edition ^(*2) Windows® 2000 Professional ^{(*2)(*3)} Windows® XP ^(*3)
CPU	Pentium® III 450MHz or faster or Celeron® 633 MHz or faster (Pentium® III 1GHz or faster is recommended.)
Memory	128 MB or more
Free disk space	60 MB or more
Display resolution	1024 x 768 dots or more
Display mode	High Color (16 bits), 65,536 colors or more

(*1) Microsoft IE 5.0 or later must be installed separately. (If you use Windows® 98 Second Edition or later for OS, the installation above is not required.)

(*2) Direct X 8.1 or later must be installed. It is automatically installed when DVD-MovieAlbum is installed.

(*3) This software does not support multi-processor (using two or more CPUs).

(Caution)

- To use the DV capture function, an OHCI-compliant IEEE1394 terminal and a hard disk (ATA33 or faster) supporting DMA transfer are required
- To use the 3D title input function and DV capture function, the OS, Windows® 98 Second Edition or later, is required

Check item	Contents	Operation manual to be referred to
4.7-GB DVD-RAM drive and its driver software	Install a 4.7-GB DVD-RAM drive and its driver software.	Operation manual supplied with DVD-RAM drive in use

■ Concerning disc/DVD-RAM drive useable for DVD-MovieAlbum

- Limited to UDF2.0-formatted 4.7-GB/9.4-GB DVD-RAM disc or 8-cm DVD-RAM disc.
- A single-sided 2.6-GB or double-sided 5.2-GB DVD-RAM disc cannot be used.
- Before using, enable "Synchronous data transfer" or "DMA" for the DVD-RAM drive. **(P14)**

Request

Request in use of DVD-MovieAlbum

■ Copyright-protected video source

- Programs recording the video that can be recorded with DVD recorder only once cannot be played or exported as a file.

■ Images played

- Images played may have frame drops or be subject to a jerky effect depending on the environment of the personal computer in use or the images themselves. Program transitions or scene transitions in a playlist may not be played smoothly.
- When a DVD-RAM disc on which a video on video tape is recorded is played on a personal computer, noisy signals may appear at the bottom of the screen. This is caused by the video head switching and is not a failure.



■ Operation during recording

- When importing a file or recording using a copy tool, do not carry out a log-off operation on Windows such as user switching (Windows XP). Otherwise, the disc on which the data is being written may be damaged.

■ Disc and file recorded compliant with video recording standard

- A "DVD_RTAV" folder is created on a DVD-RAM disc recorded on a DVD video recorder compliant with the video recording standard. Various files based on the video recording standard are created within this folder. Do not access this folder or the files in this folder in the personal computer.
- The size of some files in this folder exceeds 2 GB. Due to a restriction of the specifications of the OS, files over 2 GB on Windows98 or 4 GB on Windows Millennium Edition may not be

copied or the volume capacity of such files may be displayed incorrectly.

- If this folder or the files in this folder are deleted or modified, the video will be disabled from being played on a DVD video recorder or from using DVD-MovieAlbum.
- The disc used by DVD-MovieAlbum is not allowed to be accessed by other applications. If it is attempted to be accessed by, for example, Explorer, "F:\ is not accessible. Access is denied." will be displayed. (In case the DVD-RAM drive is F:.) In this case, exit DVD-MovieAlbum before accessing.
- The disc recorded in the video recording standard has been formatted in the UDF2.0 format. In an environment where UDF2.0 is not supported, this disc can be used only by DVD-MovieAlbum.

■ Notes when Windows XP/Windows 2000 Professional is used:

- When formatting a DVD-RAM disc, format it in the UDF format (UDF2.0) by carefully reading the manual for the DVD-RAM drive in use.
- When you use (or install) this software, set the user name to [Administrator (or user name having the equivalent authority)] for log ON. (If not authorized, contact the system administrator.)
- While the DVD-RAM disc is accessed using Explorer or other applications, this software cannot be activated and a mounting error will result from attempting activation. Exit Explorer or the other applications before activating DVD-MovieAlbum.

■ When connecting the DVD video camera to a personal computer through a USB terminal:

For how to connect the DVD video camera to a personal computer through a USB terminal, refer to the Operating Instructions for the DVD video camera.

- Use the AC adaptor for supplying power to the DVD video camera.
- When the power switch for the DVD video camera is turned to [CARD] PHOTO, this software will not work.
- While this software is active, do not turn the DVD video camera power switch to OFF or to

the [CARD] PHOTO mode. Otherwise, it may disable this software.

- While this software is active, do not turn OFF the DVD video camera power. Otherwise, it may disable this software.
- When the DVD video camera access lamp is orange, do not pull out the PC connection cable. Pull out the PC connection cable only when the DVD video camera access lamp remains green.
- Use the DVD video camera at a room temperature of 30°C or lower.
- It is not recommended to continue importing files or carrying out read/write operations using the supplied copy tool (VRCopy) for 30 minutes or more.
- The fade setting or skip setting made on the DVD video camera is not reflected in this software.
- Protection set on DVD-RAM discs by this software or a DVD video recorder cannot be cancelled by the DVD video camera. Use this software to cancel the protection.
- If the DVD video camera is connected to a personal computer via a USB hub or a USB terminal on the front panel of the personal computer or one on the keyboard, the DVD camera may not be recognized by the personal computer. In this case, connect the DVD video camera to a USB terminal on the rear panel of the personal computer.
- This software will be dedicated to playback DVD-RAM discs when connecting to the following devices with USB terminal (you cannot use recording function and editing function).
 - DZ-MV100 Series
 - DZ-MV200 Series
 - VDR-M10
 - VDR-M20

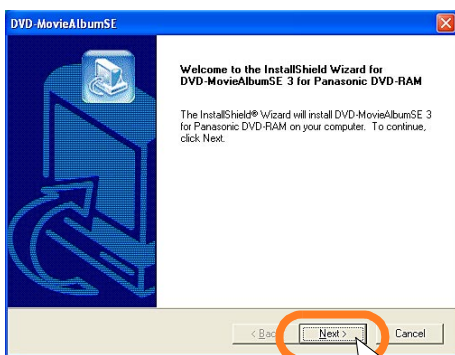
■ When connecting the DVD-RAM drive or DVD Video camera with USB 1.1

- When using the devices above under USB 1.1, the images recorded with the record mode more than SP mode may have frame drops or be subject to a jerky effect according to the transfer rate.

Installing DVD-MovieAlbum

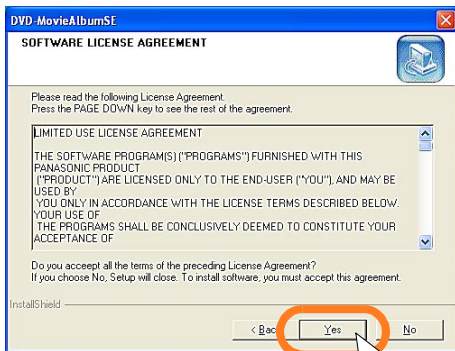
Install the application software with the following procedure.

1.To install

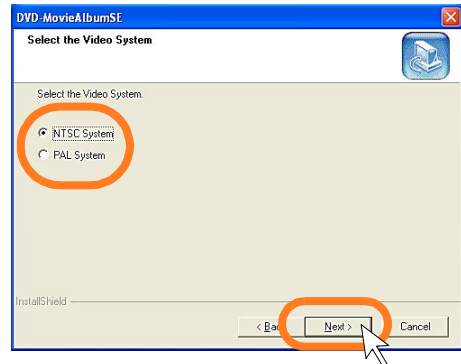


When the installation screen of "DVD-MovieAlbum" is displayed, click in the [Next] button.

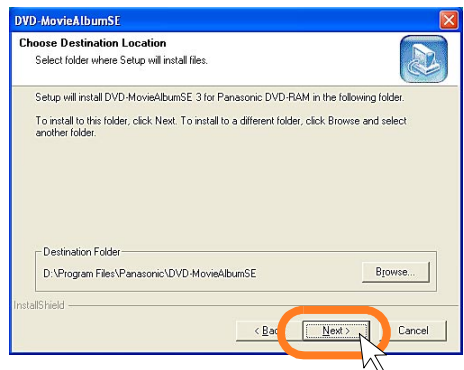
2.Carefully read the software licensing agreement. If you agree, click in the [Yes] button.



3.Select a video system to be used and click in the [Next] button.



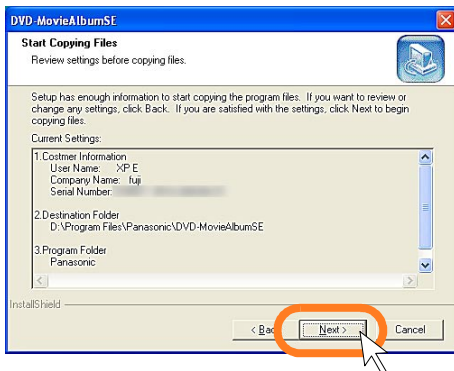
4.If you do not change the folder to be installed into, click in the [Next] button.



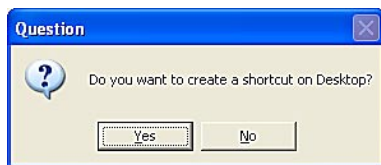
(Installation starts.)

- Proceed in accordance with the instructions on the screen.

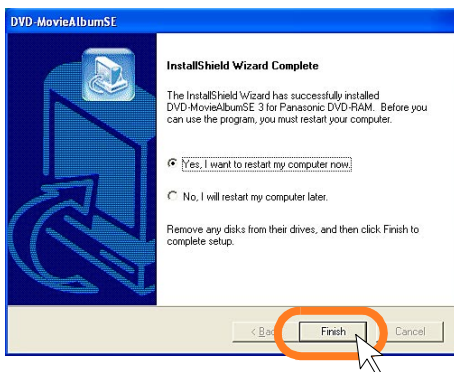
5. Check the content and click in the [Next] button.



6. A confirmation message whether or not a shortcut icon is created on the desktop screen is displayed. Select accordingly.



7. Select the restart option and click in the [Finish] button.



- Installation is completed.

Notes:

- When you use Windows XP/Windows 2000 Professional, install this software after logging ON by setting the user name to [Administrator (or user name having the equivalent authority)]. (If not authorized, contact the system administrator.)

Environment setting for DVD-RAM drive

Prior to using this software, check whether or not [Synchronous data transfer] or [DMA] for the DVD-RAM drive is enabled. If they are not enabled, enable one by reading the manual for the DVD-RAM drive in use. (This setting may not be performed depending on the environment in use.)

When you use Windows 98/ Millennium Edition:

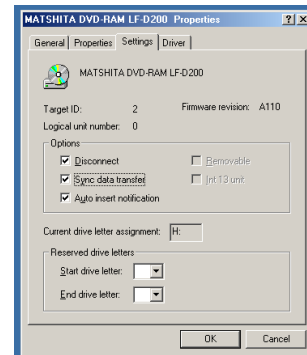
1. Right-click [My Computer], select [Properties] and click in the [Device Manager] tab.



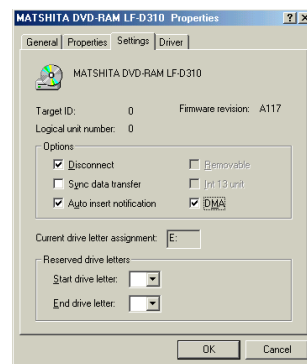
2. Double-click in the CD-ROM icon and double-click the DVD-RAM drive in use to display [Properties].

3. Click in the [Settings] tab and confirm that [Sync data transfer] or [DMA] is checked.

SCSI type



ATAPI type



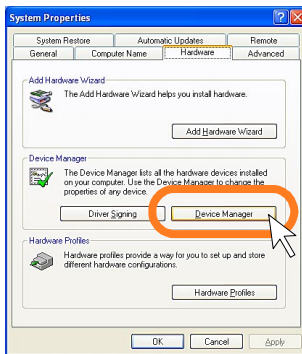
- If you use an ATAPI type, check [DMA] or if you use an SCSI type, check [Synchronous data transfer].
- If not checked, check an appropriate one and click in the [OK] button.
- The setting is enabled after the personal computer is restarted.

Environment setting for DVD-RAM drive

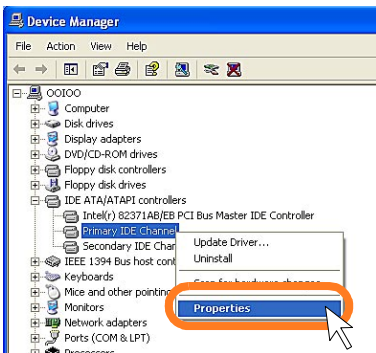
If you use Windows XP/2000 Professional:**ATAPI type**

- The SCSI type is automatically set.
(Confirmation is not required.)

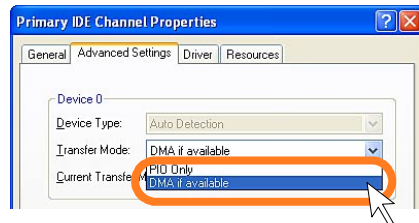
1.Right-click [My Computer], select [Properties] and click in the [Hardware] tab. Then, click in the [Device Manager] button.



2.Right-click the channel ([Primary IDE Channel] or [Secondary IDE Channel]) to which the DVD-RAM drive is connected in [IDE ATA/ATAPI Control] and select [Properties].



3.Click in the [Advanced Settings] and set the transfer mode to [DMA if available].



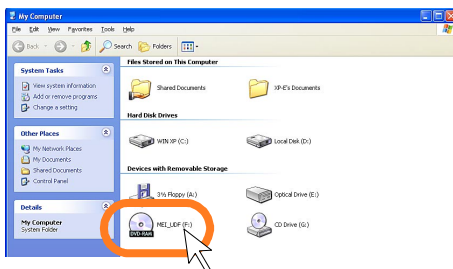
- The setting is enabled after the personal computer is restarted.

How to format a DVD-RAM disc

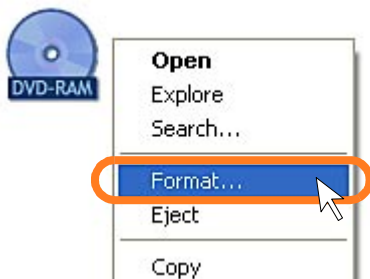
When this software is used, the DVD-RAM disc must be formatted in UDF format (UDF2.0). Format a DVD-RAM disc in UDF format (UDF2.0) by carefully reading the manual for the DVD-RAM drive in use. The description below is based on the Panasonic-made DVD-RAM drive. Please read it for reference.

1. Set a DVD-RAM disc to be formatted in the DVD-RAM drive.

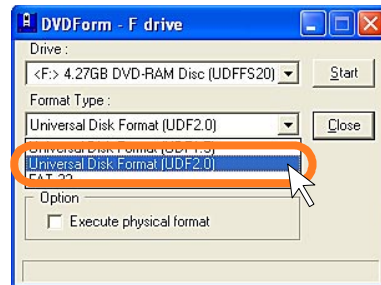
2. Open [My Computer] and right-click [DVD-RAM].



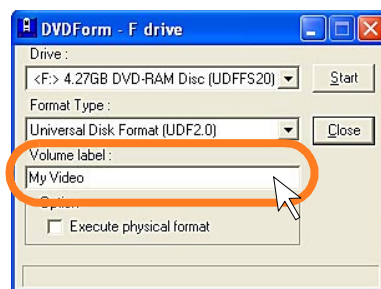
3. On the menu, click [Format].



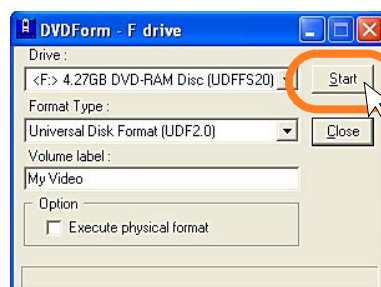
4. Select [universal Disk Format (UDF2.0)] in the format types.



5. Input the volume label.



6. Click in the [Start] button.



Notes:

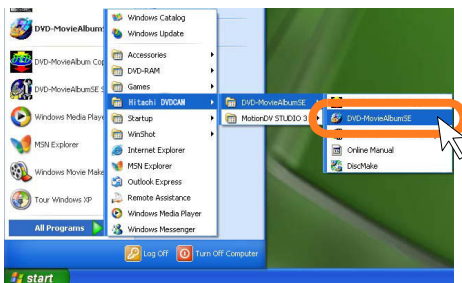
- Format a double-sided 9.4-GB DVD-RAM disc for each side.
- Discs useable for DVD-MovieAlbum are limited to UDF2.0-formatted 4.7-GB/9.4-GB DVD-RAM disc or 8-cm DVD-RAM disc. (A single-sided 2.6-GB or double-sided 5.2-GB DVD-RAM disc cannot be used.)

Try to use this software!

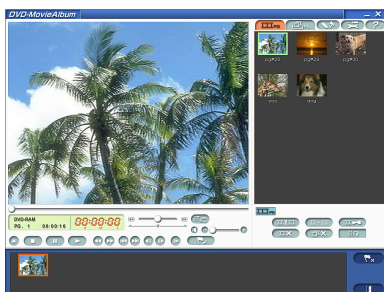
Starting/exiting DVD-MovieAlbum

Starting DVD-MovieAlbum

1. Turn ON the personal computer and the DVD-RAM drive.
2. Set a UDF2.0-formatted DVD-RAM disc or recorded DVD-RAM disc in the DVD-RAM drive.
3. Select [Start] – [All Programs] – [Hitachi DVDCAM] – [DVD-MovieAlbum SE] – [DVD-MovieAlbum SE].



- This software is activated. The program play mode screen and the contents of the program are displayed. (Automatic mounting)



Program play mode screen
(When a recorded DVD-RAM disc is set)

- The start menu looks different depending on the folder in which this software is installed.
- Double-clicking on the shortcut icon for this software can also activate the software. (If such a shortcut icon is created.)



Notes:

- If a DVD-RAM disc not formatted or formatted in other than UDF2.0 format is set, the [DVD-MovieAlbum : Mount Information] window below is displayed. How to use each button is as follows.



The disc in Drive F: cannot be used. (Format Type: FAT32)
Set AV format (UDF2.0) 4.7GB DVD-RAM disc to the DVD-RAM drive.

[Retry]

Set a formatted or recorded 4.7-GB DVD-RAM disc to mount it again.

[Eject]

Ejects the disc.

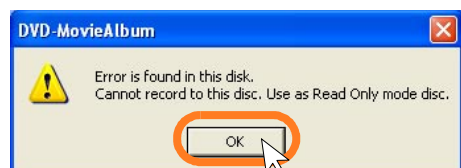
[Preference]

Displays the environment setting for DVD-MovieAlbum and the drive name is allowed to be changed.

[Exit]

Exits DVD-MovieAlbum.

- If an error is detected in the data on the DVD-RAM disc, the [Write-protect Error] below is displayed and the write-protect mark is displayed. Click in the [OK] button. Use this disc for playing only.

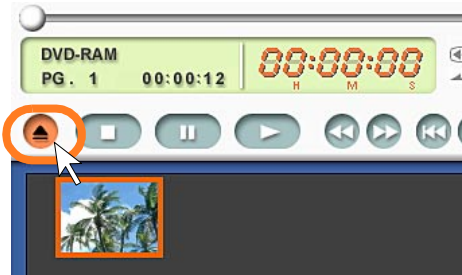


- The screen display and each operation button are different depending on the selection of the program tab [] and the playlist tab [] (P19, 22). The display form is also varied by [Display setting] of the environment setting button [] (P54).

Exiting/ejecting a disc

■ To eject the DVD-RAM disc:

- Click in the eject button [▲] in the stop or pause mode.



■ To exit DVD-MovieAlbum:

- Click in the exit button [X].



- DVD-MovieAlbum is exited and the desktop screen is restored.

Notes:

- While DVD-MovieAlbum is operating, pressing the [Eject] button on the DVD-RAM drive cannot eject the DVD-RAM disc. Click in the Eject button [▲] to eject it.

When using a DVD-ROM drive:

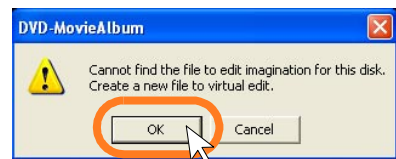
Even if you use a DVD-ROM drive, you can edit video data on the DVD-RAM disc using the virtual editing function of this software. The data edited is saved as an edit information file on the hard disk of the personal computer. This file is automatically called when the said DVD-RAM disc is next used.

1. Turn the personal computer and the DVD-ROM drive ON and set the recorded DVD-RAM disc in the drive.

2. Starting DVD-MovieAlbum(P17)

- If the disc to be used with this software for the first time is set, a message will be displayed.

3. If the message is displayed, click [OK].



- The edit information file for the DVD-ROM disc set is created on the personal computer.
- A virtual edit mark is displayed on the startup screen. Now, the programs on the DVD-ROM drive are ready for edit.

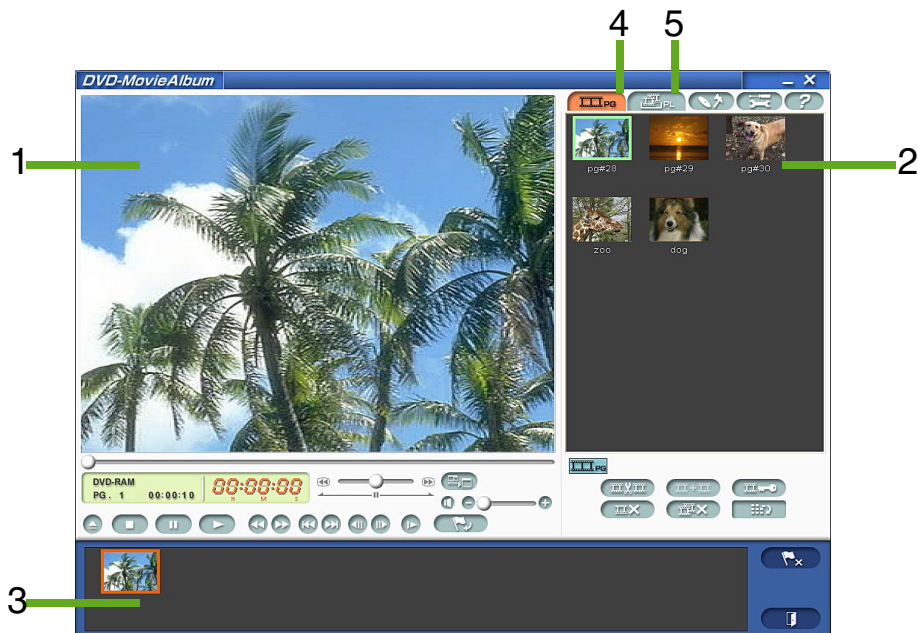


Notes:

- Edition using a DVD-ROM drive is allowed only when [Virtual Edit at DVD-ROM Drive] is set [Yes] in the [Device setting] menu of the environment settings button [⚙️].
- To use this function, the DVD-ROM drive must support the reading of a 4.7-GB DVD-RAM disc. For details, read the manual for your DVD-ROM drive.
- If the disc virtually edited using this software is modified on the other equipment, the edit function saved on the hard disk will not be able to be used.
- The virtual editing function does not support some functions (importing files, erasing programs, etc.)

Part identification and effect

Program play/edit mode

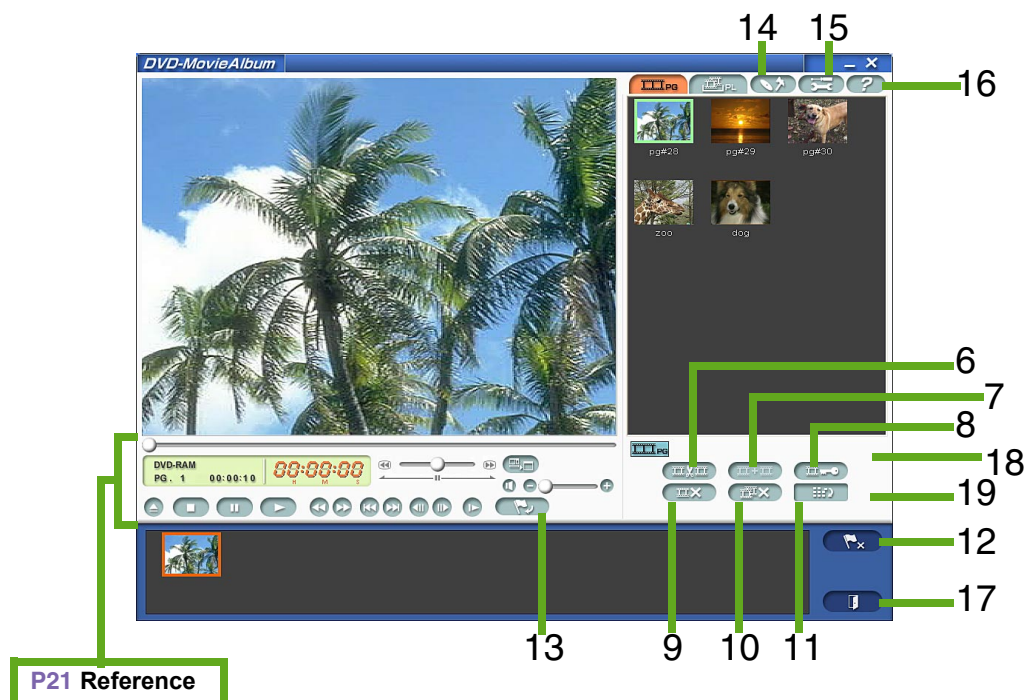


[Display field]

1. **Played image display field**
Displays a played image or a still image.
2. **Thumbnail/list display field**
Displays programs with thumbnails and title names, etc. Select [Display mode] of [Display setting] of the environment setting button [], the title names, etc. are displayed in a list form. (P54)
3. **Marker/scene display field**
The markers at the program play start position and the title names are displayed. They are sorted by date and time.

[Mode switching]

4. [] **Program tab**
Use to play or edit a program.
5. [] **Playlist tab**
Use to create or edit a playlist.

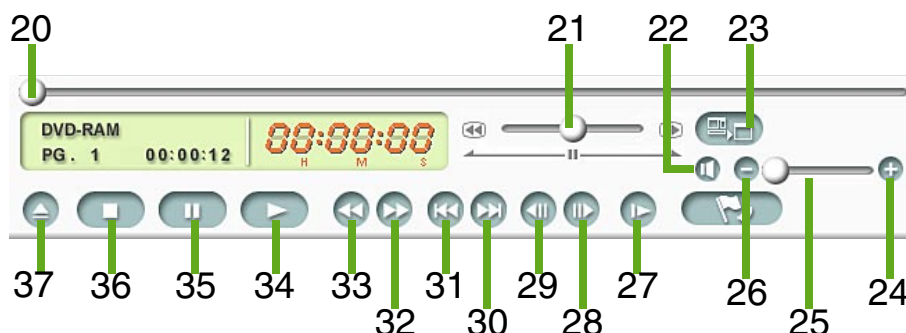


[Program edit button]

6. [] **Divide button(P29)**
Use to divide a program.
7. [] **Combine button(P30)**
Use to combine two programs.
8. [] **Protect button(P28)**
Use to write-protect a program.
9. [] **Erase button(P31)**
Use to erase a selected program.
10. [] **All Erase button(P31)**
Use to erase all programs recorded on a DVD-RAM disc.
11. [] **Move Start/Move End button(P32)**
Use to move a program within the thumbnail/list display field.
12. [] **Marker Delete button(P35)**
Use to delete a marker in a program.
13. [] **Marker Insert button(P34)**
Use to insert a marker in a program.

[Various settings, help and exit buttons]

14. [] **Auxiliary Function button(P57)**
Use to access auxiliary functions.
15. [] **Environment Settings button(P53)**
Use to set the environment.
16. [] **Help button**
Use to display the on-line [Manual] or [Version Information] of this software.
17. [] **Exit button(P18)**
Use to exit this software.
18. [] **Write-protect mark**
Displayed when the DVD-RAM disc is write-protected or when a DVD-ROM disc is inserted. Editing is not allowed, but play is allowed.
19. [] **Virtual Edit Mark**
Displayed when DVD-ROM drive virtual edit is active.



[Various operation buttons]

20. []

Time slider (P26)

Indicates the rough timewise position in the overall play time while a program is being played. Move this button to jump to a position to start to play from.

21. []

Shuttle search(P26)

Use to locate the start of a recorded sequence by fast forward or fast rewinding at a maximum of 128 times the normal speed.

22. [] **Mute button(P25)**

Use to mute the audio output or to unmute it.

23. [] **Full-screen display button(P25)**

Use to expand the play image field to the whole screen.

- You can also double-click in the play screen to expand.
- Right-click in the full-screen display, and the pull-down menu is displayed. Click [Normal Screen], and the original screen size is restored. You may either double-click in the full screen to restore it to the original screen size.

24. [] **Volume increase button(P24)**

Use to increase the audio level.

25. [] **Volume slider(P24)**

Indicates the rough current audio level within the adjustable range. Move this button to adjust the audio level. This slider button is interlocked with the volume increase button[] and the volume decrease button[].

26. [] **Volume Decrease button(P24)**

Use to decrease the audio level.

27. [] **Slow Play button(P25)**

Use to play at a slow speed.

28. [] **Frame Advance button(P25)**

Use to advance to the next frame during pause.

29. [] **Frame Retreat button(P25)**

Use to retreat to the previous frame during pause.

30. [] **Skip Advance button(P25)**

Use to jump to the next marker or program.

31. [] **Skip Retreat button(P25)**

Use to jump to the previous marker or program.

32. [] **Fast Forward button(P25)**

Use to fast-forward.

33. [] **Fast Reversing button(P25)**

Use to fast-reverse.

34. [] **Play button(P24)**

Use to play.

35. [] **Pause button(P24)**

Use to pause.

36. [] **Stop button(P24)**

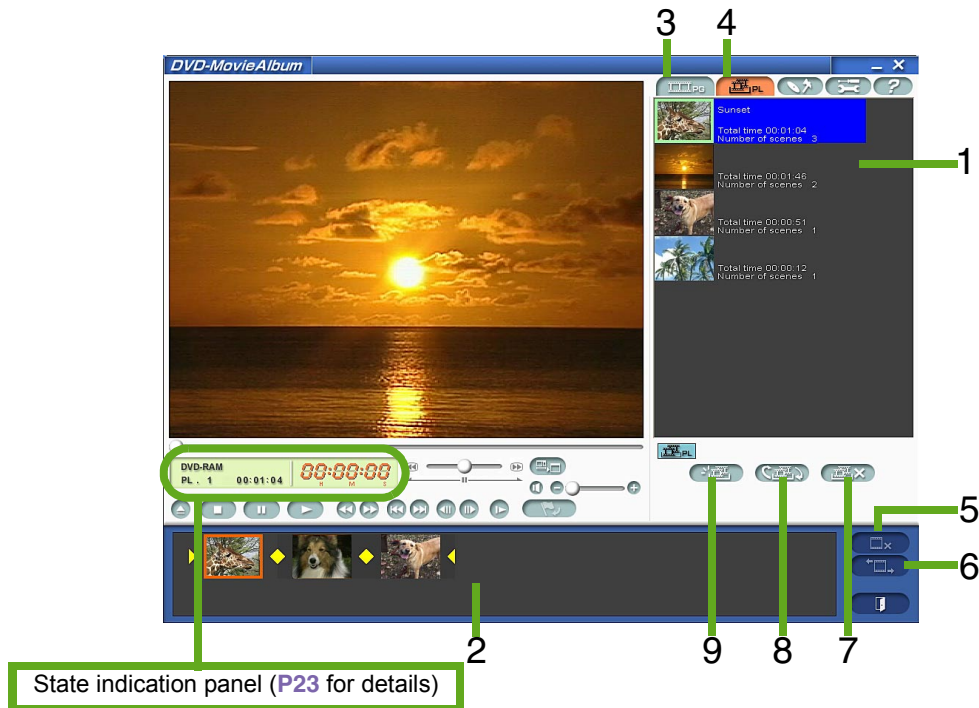
Use to stop playing.

37. [] **Eject button(P18)**

Use to eject the tray of the DVD-RAM drive.

Playlist play/edit mode

Same as the program play/edit mode except for the following buttons.



[Display field]

1. Thumbnail/list display field

Displays playlists with thumbnail and title name, etc. Select [display mode] of [Display setting] of the environment setting button [], the title names, etc. are displayed in a list form.(P54)

2. Marker/scene display field

The beginning image and the title name of each scene of the playlist are displayed. The scenes are registered and displayed in order of creation.

[Mode switching]

3. [] Program tab

Use to play or edit a program.

4. [] Playlist tab

Use to create or edit a playlist.

[Playlist edit button]

5. [] Scene Delete button(P49)

Use to delete a scene in the playlist.

6. [] Scene Move button(P48)

Use to move a scene in the playlist.

7. [] List Delete button(P50)

Use to delete a playlist.

8. [] List Change button(P46)

Use to add, move or delete a playlist.

9. [] Create New button(P43)

Use to create a playlist.

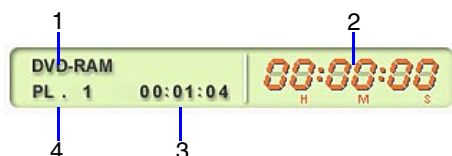
Status indication panel in each mode

The display status is different depending on the mode selected.

■ In program play/edit mode



■ In playlist play/edit mode



1. Indicates the device name.
2. Elapsed-time indicator: Indicates the elapsed time from the start of play in hours, minutes and seconds.
3. Play time indicator: Indicates the total play time of the program or playlist selected.
4. Play list indicator: On the program tab [ PG] indicates the number of the selected program (PG.1). On the playlist tab [ PL] indicates the number of the selected playlist (PL.1).

How to use the program play mode

Click in the play button [], and the recorded program is played.

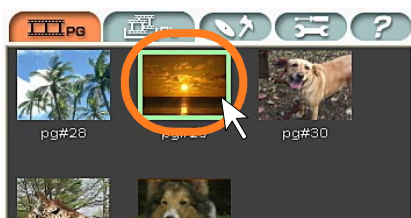
When it is used on the playlist tab [], click in the program tab [].

Playing program

1. Set a recorded DVD-RAM disc in the DVD-RAM drive.

- Automatically displays the thumbnails of the programs recorded on the disc in the thumbnail/list display field and displays the still image of the beginning program in the play image display field.

2. Click the thumbnail of the program to be played.



- The beginning still image of the selected program is displayed in the play image display field.

3. Play a program by clicking in the play button [].



- When the selected program is completed, the next program will automatically be played.
- When the playing of the last program is completed, the operation will stop with the beginning image of the first program displayed.
- You may double-click the thumbnail of the program to play it.

4. Adjusting audio level



To increase the audio level, click in the volume increase button [].

- The volume slider moves rightward.

To decrease the audio level, click in the volume decrease button [].

- The volume slider moves leftward.

Keep either the volume increase button or volume decrease button pressed.

- The audio level will continuously change.

Select and move the volume slider.

- The audio level will continuously change.

Notes:

- Click in the thumbnail of the program other than the one being played, the program clicked starts to play.
- The next program is automatically played after the selected program is completed, if the [Playback setting] of the environment setting button [] is set to [All programs] (default setting). If it is set to [Selected program], the operation will stop with the beginning image of the selected program displayed

■ To pause playing

Click in the pause button [].

- To restart playing, click in either the play button [] or the pause button [].

■ To stop playing

Click in the stop button [].

- Playing is stopped and the beginning image of the program played is displayed.

How to use the program play mode

Using various operation buttons

You can control the playing status by operating various buttons while playing.

■ To fast-forward or fast reverse

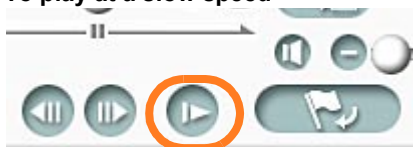
Click in the fast forward button [⏩]. (Fast-forwards at double speed.)

Click in the fast reverse button [⏮]. (Fast-reverses at double speed.)

■ To skip to the next or previous marker or program

Click in the skip advance button [⏭]. (Jumps to the next marker or program.)

Click in the skip retreat button [⏪]. (Jumps to the previous marker or program.)

■ To play at a slow speed

Click in the slow play button [⏮]. (Plays at half speed.)

■ To advance or retreat a frame while in pause

Click in the frame advance button [⏭]. (Advances by approx. 0.5 seconds.)

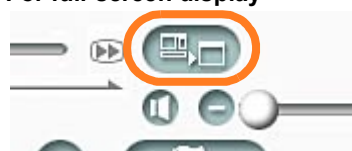
Click in the frame retreat button [⏪]. (Retreats by approx. 0.5 seconds.)

- The frame advance/retreat operation is effective only within the selected program.

■ To mute the audio output

Click in the mute button [🔇].

- The button indication changes into [🔊] and the audio output is muted.
- To unmute, click in the mute button [🔊] again.

■ For full-screen display

Click in the full-screen display button [🖥️].

- You can also double-click in the play screen to expand.
- To restore to the original size, double-click in the screen.

Notes:

- Each operation of fast forward, fast reverse and slow play is effective and operates continuously over all programs, if [Playback settings] of the environment setting button [⚙️] is set to [All Programs] (default setting)(P55). If it is set to [Selected program], it operates only within the program selected.
- To return to the previous scene while a playlist is being played, click in the skip retreat button [⏪] twice.

How to use the program play mode

How to use the time slider

Select the button of the time slider during playing and move it to change the position to play from. The button of the time slider indicates a rough position within the program selected.

- **To change the position to play from:**
Select the button of the time slider, move it to the position to play from and deselect it.



- When the button is selected and moved, the corresponding still images are displayed sequentially.
- If during playing, playing will restart from the position at which the button is deselected.
- If during stopping or in pause, the still image of the position at which the button is deselected is displayed and the operation stops.

How to use shuttle search

Use high-speed shuttle search to quickly search for the position to be viewed.

You can select the shuttle search speed depending on the position between the centre and the edge of the shuttle search bar. The speed is selectable from 1/2, 1, 2, 4, 8, 16, 32, 64 or 128 times the normal speed from the center to the edge of the shuttle search bar.

- **To find the beginning while using high-speed search:**
Select the shuttle search button and move it to an appropriate position, either on the right side or left side.



- While the button is being selected, irrespective of whether it is moved or held, the searching is carried out in the fast forward mode or fast reverse mode at the selected speed.
- When the button is deselected, the operation will be either stop or play depending on the operation when the shuttle search is engaged.

Notes:

If [Playback settings] of the environment setting button [] is set to [All programs] (default setting), all the programs are searched(P55). If it is set to [Selected program], it searches only within the program selected.

- If the shuttle search bar is double-clicked during playing, the operation is paused.
- To revert to the play state, click in the play button [].

Using the shortcut menu

■ To use the shortcut menu in full-screen display

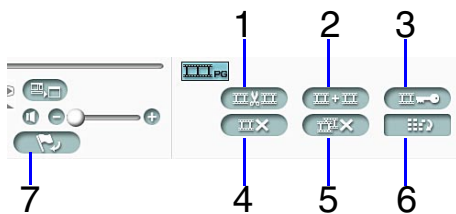
Right-click in the screen.

Play	
Stop	
Pause	
Skip Forward	
Skip Backward	
Slow Play	
Fast Forward	
Fast Backward	
Select Audio Mode	▶
Normal Screen	
Video Quality Setting	
Still Picture Export	

- Shortcut menu appears.
- Click in the item to be controlled.

Program edit

Select the program tab [], and you will be able to edit or set: write-protect, divide, combine, erase, move programs and insert or delete markers.



1. Dividing a program

Use to divide a program into two.

2. Combining programs

Use to combine two programs.

3. Write-protecting a program

Use to protect a program from being divided, combined, erased (one or all) or markers from being newly added or deleted.

4. Erasing selected programs

Use to erase selected programs.

5. Erasing all programs

Use to erase all programs recorded on a DVD-RAM disc, except those write-protected.

6. Moving a program

Use to move a program within the thumbnail/list display field.

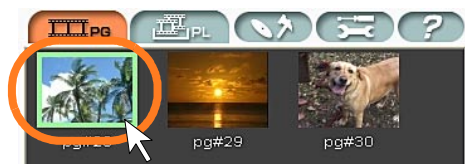
7. Inserting markers

Use to insert markers.

Write-protecting a program

By write-protecting a program, it is protected from being edited such as divided, combined, erased (one or all) or markers in the program from being newly inserted or deleted.

1. Click the thumbnail of the program to be write-protected.



2. Click in the protect button [].



- The program is now write-protected and a key mark [] is presented in the thumbnail image.
- You may either right-click the thumbnail to select "Protect".

■ To unprotect:

Click the thumbnail of the program to unprotect and click in the protect button

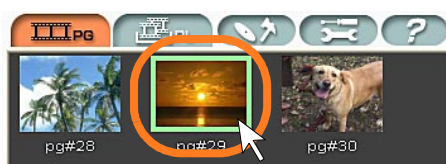
[].

- The program is now unprotected and the key mark [] disappears in the thumbnail image.

Dividing a program

This function allows a program to be divided into two programs at a desired position.

1. Click the thumbnail of the program to be divided.



2. Find the position at which the program is to be divided.

- Use the play button, shuttle search or the time slider to find such a position.

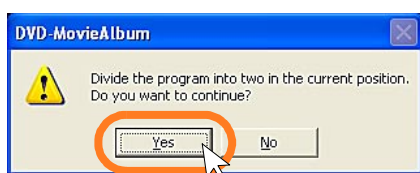
3. Pause at the chosen position .

4. Click in the divide button [].



- A confirmation message is displayed.

5. Click in the [Yes] button.



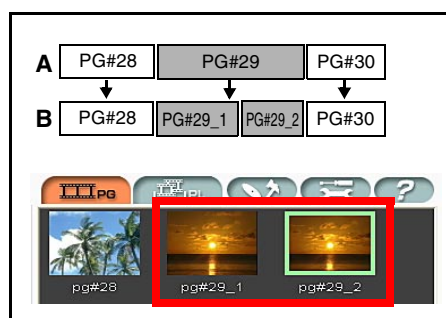
- Thumbnails for the two programs divided are displayed in the thumbnail/list display field.
- A marker is set at the beginning of the program divided, which is displayed in the marker/scene display field.
- The title name is automatically assigned to the program divided.

Example of division:

The program will become as follows.

If the title of the program before being divided is "PG#29", the titles of the programs after division will be "PG#29_1" and "PG#29_2".

Example of division: ("PG#29" is supposed to be divided.)



A: Program before division

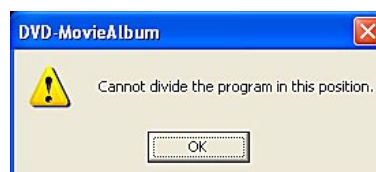
B: Program after division

■ To change the title name for the program:

- Right-click the thumbnail for the program and select [property]. Change the [Program title name] displayed in the program information window. (P33)

Notes:

- The beginning of the program cannot be divided. (The following message will be displayed.)



- If the division results in the number of programs to exceed 99 per side of the DVD-RAM disc cannot be performed.
- The title name of the program in play cannot be changed.
- A little portion of the program directly preceding the division point may be lost.

Combining programs

Combines the program selected with the previous one to make one program.

1. Click the thumbnail of the program to be combined.

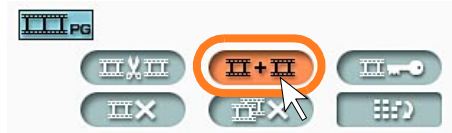
Example of combination:

If you want to combine the programs "PG#28" and "PG#29", click "PG#29".



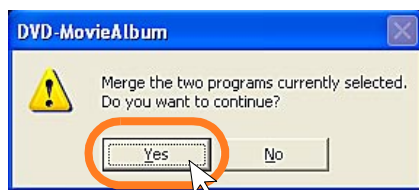
2. Click in the combine button

[].



- The program "PG#28" previous to the program selected is also selected and the confirmation message is displayed.
- You may either right-click the thumbnail to select [Merge].

3. Click in the [Yes] button.



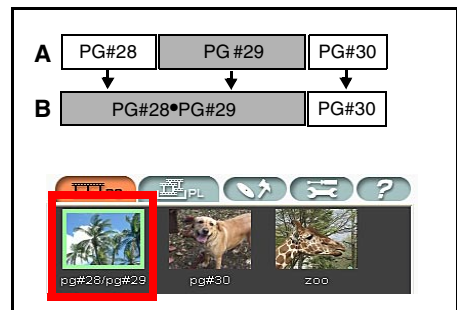
- The program first selected is combined with the previous one and the thumbnail of the combined program is displayed in the thumbnail/list display field.
- The title name is automatically assigned to the program combined.

Example of combination:

The program will become as follows.

If the title names of the programs before combination are "PG#28" and "PG#29", that of the combined program will be "PG#28•PG#29".

Example of combination: (If "PG#28" and "PG#29" are combined)



A: Program before combination

B: Program after combination

Erasing all programs

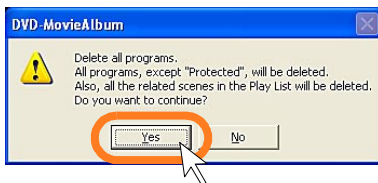
Erases all programs recorded on a DVD-RAM disc. The erased programs can not be recovered.

1. Click in the all erase button

[].

- A confirmation message is displayed.

2. Click in the [Yes] button.



- All the programs on the DVD-RAM disc currently set are erased.

Notes:

- Write-protected programs cannot be erased.

Erasing selected programs

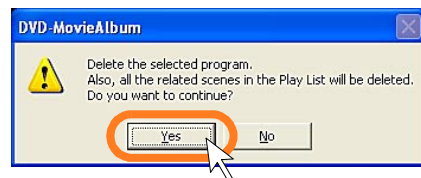
Erases selected programs. The erased programs will not be recovered.

1. Click the thumbnail of the program to be erased.

2. Click in the erase button [].

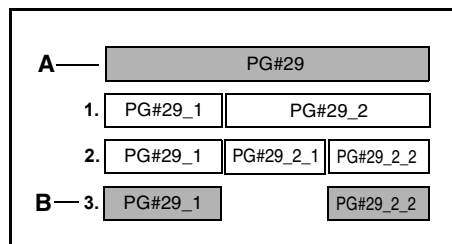
- A confirmation message is displayed.
- You may either right-click the thumbnail to select [Delete].

3. Click in the [Yes] button.



■ To erase a part of a program:

Example of erasing a part of the program: To erase a part of "PG#29"



A: Program before a part of which is erased

B: Program after a part of which is erased

1. **Pause at the beginning position of the part to be erased and divide (P29 Steps 1 through 5).**
 - The program is divided into two programs "PG#29_1" and "PG#29_2".
2. **Pause at the end position of the part to be erased and divide (P29 Steps 1 through 5).**
 - The program is divided into two programs "PG#29_2_1" and "PG#29_2_2".
3. **Select the program to be erased and erase it (Steps 1 through 3 above).**
 - The program "PG#29_2_1" is erased.

Notes:

- If a program is erased, the scene in the related playlist is also erased.
- Write-protected programs cannot be erased.

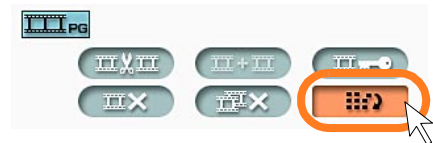
Moving a program

Use to move a program within the thumbnail/list display field.

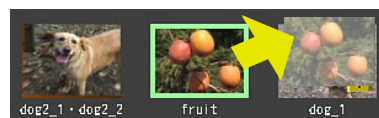
1. Click the thumbnail of the program to be moved in the thumbnail/list display field.

2. Click in the move start button

[].



The move start button [] changes into the move end button [].

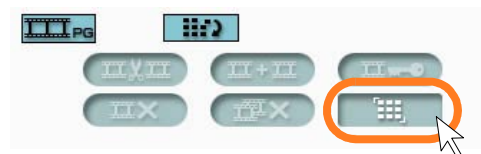
3. Drag and drop the thumbnail at the position to be moved to.


The program is moved.

- You can further move a program at this stage.

4. Click in the move end button

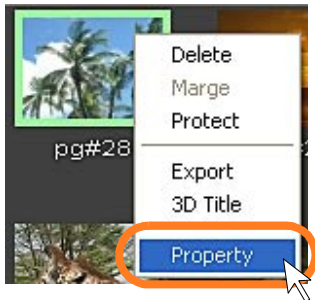
[] to change it into the move start button [].



Program information display

[Protect setting] shows the protection status for the program.

1.Right-click the program, the information of which you want to display and select [Property].

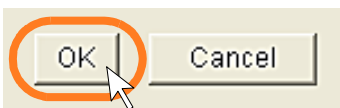


- The [Program Information] screen is displayed.

2.Input into the item to be changed.

- Input [Program Title Name], [Program Type], [Channel] and [Remarks] as necessary.
- Up to 64 characters can be used for [Program Title Name].
- Up to 255 characters can be used for [Remarks] of a program.

3.Click in the [OK] button.



Notes:

- [Program title name], etc. cannot be changed for write-protected programs. Unprotect the program to change.

Inserting markers

A marker is just like a bookmark inserted into a book. Insert a marker in a program, and the start of a recorded sequence to be viewed can be instantly located.

The marker function is useable if the program tab [ pg] is selected.

The marker is displayed in the marker/scene display field below left of the screen.

1. Click the thumbnail of the program to be inserted with a marker.



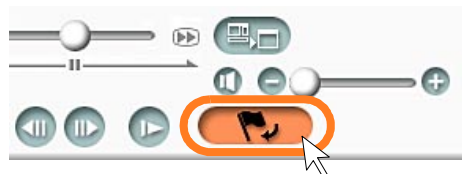
2. Find the position at which a marker is to be inserted.

- Use the play button, shuttle search or the time slider to find such a position.

3. Pause at the position to be inserted with a marker.

4. Click in the marker insertion button

[].



- A marker is inserted.

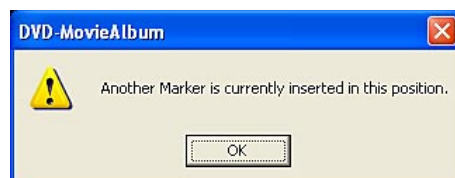
5. If you insert a marker at another position, repeat Steps 2 through 4.

- The markers are displayed, sorted by date and time.

Notes:

- If [ Off] is set for [Marker Display] in [Display Setting] on the environment setting button [] (P54), the markers are not displayed.

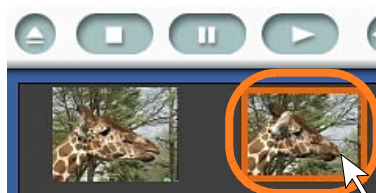
- If a marker is inserted into a program in play, such a marker is displayed when the program is stopped or paused.
- A marker cannot be inserted while in fast forward or rewinding.
- If the marker insertion button [] is clicked at the position in which a marker is already inserted, no marker is inserted and the following message is displayed.



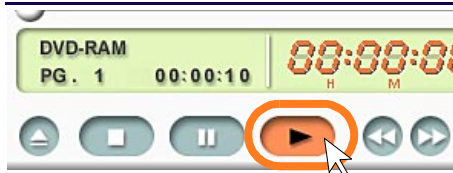
- Up to 999 markers can be set on one side of a DVD-RAM disc.

■ To play a program by selecting a marker:

1. Click the marker.



2. Play the program by clicking in the play button [].



- The play starts at the position of the marker selected. When playing of the program ends, the next program will automatically be played.

Notes:

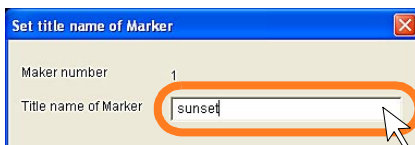
- If [Selected program] is set in [Playback Setting] on the environment setting button [] (P55), the beginning of the program is displayed and the play stops at the end of the program selected.

Changing the title name of a marker

1.Right-click the marker, the title name of which you want to change and select [Properties].

- The [Set title name of Marker] screen is displayed.

2.Input the [Title Name of Marker].



- Up to 64 characters can be used for [Title name of Marker].

3.Click in the [OK] button.



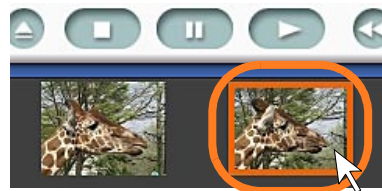
Notes:

- Up to 99 titled markers can be set on one side of a DVD-RAM disc. No title names can be assigned to the remaining 900 markers.

Deleting markers

1.If a program is being played, click in the stop button or pause button.

2.Click the marker to be deleted.



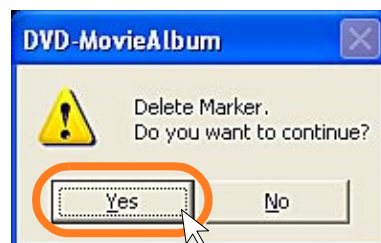
3.Click in the marker delete button

[].



- A confirmation message is displayed.

4.Click in the [Yes] button.



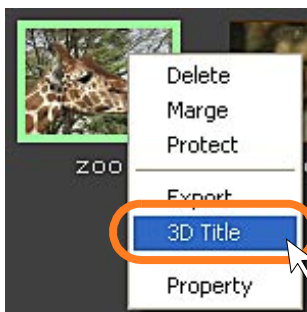
- The marker is deleted.

Using 3D-title STUDIO

If the 3D title is selected, 3D-Title STUDIO is activated which allows 3D animation and/or 3D characters (3D fonts) to be added to the beginning of the program selected.

Using 3D-title STUDIO:

1. Right-click the motion picture or still image to be titled in the thumbnail/list display field and select [3DTitle].



- [3D-Title STUDIO] screen is displayed.

Refer to the operation manual for 3D-Title STUDIO for information on how to use 3D-Title STUDIO.

Notes:

- When 3D-Title STUDIO is activated, the program title name is displayed as the initial setting.
(16 characters, max.)
- The image for which the 3D title can be input is only the opening image of the program.

Exporting a program

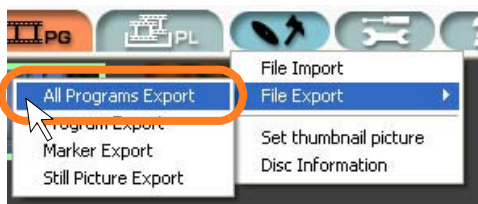
Exports (outputs) an edited program as an image file in MPEG2 format. Also exports an arbitrary screen of the program as a still image file in BMP format. To export it as an MPEG2 format image file, an HTML format menu (with extension .htm) is also created. (The menu displays the disc name, program, marker title name, etc. Set a title name before exporting the file.)

Exporting all programs

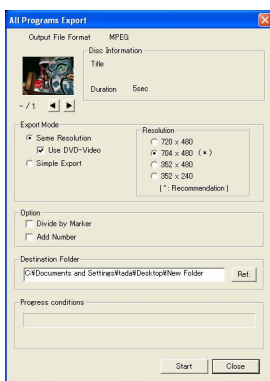
1. Click in the program tab [PG].



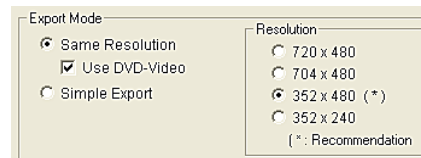
2. Click in the auxiliary function button [] and click [File Export] - [All Programs Export].



- The [All Programs Export] screen is displayed.



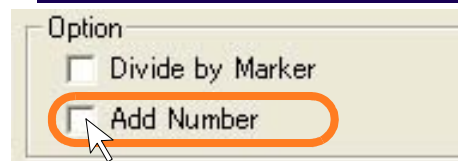
3. Set [Export Mode].



Set the method of exporting to output each program and an MPEG file.

- [Same Resolution] is selected, a program consisting of images with several resolutions will be output with the images with one resolution. If this mode is set, the resolution with which the images are output can be set from 720 x 480, 704 x 480, 352 x 480 and 352 x 240. An optimum resolution is automatically recognised and [Recommendation] is displayed. As the images are re-encoded, it may take a longer time to output them than expected for some images. When an output file is used to create a DVD-Video file, check [Use DVD-Video].
- If [Simple Export] is selected, images are output at a higher speed without being re-encoded. If the images to be output with a different resolution in the midway, they are output as two or more MPEG2 files depending on the number of resolution types used. If an error is encountered when the original data is being read, the output will cease.

4. Set [Option].



- If you divide the program into different files by marker, select [Divide by Marker].
- If you assign a serial number to the beginning of the name of each file divided and output in order of output, select [Add Number].

5. Set [Destination Folder].

- A folder having the disc title name is created in the folder set and the file will be output to that folder.

6. Click [Start].

- A message confirming the export mode selected is displayed. Click [Yes].
- A message confirming the output destination is displayed. Click [Yes].
- While the file is being exported, the progress (time elapsed and the approximate remaining time) is displayed.
- After exporting the file is completed, a message confirming whether or not a disc of DVD-Video or MPEG file is to be created using the file output. If you want to create such a disc, select [Yes]. If you want to exit program exporting, select [No].

Notes:

- When exporting a file, an HTML format menu file, etc. will be output together. (P41) To use the menu file, do not move any of the files output together to another folder.
- Unless the file system in your PC is NTFS, the maximum size of the MPEG file created when an image is exported is 4 GB.
- The minimum free space required when exporting an image to the hard disk is 1.3 times the size of the image.
- This software is not compatible with images which have 16:9 aspect ratio. The MPEG files which are made of wide images by exporting will be displayed under 4:3 aspect ratio.

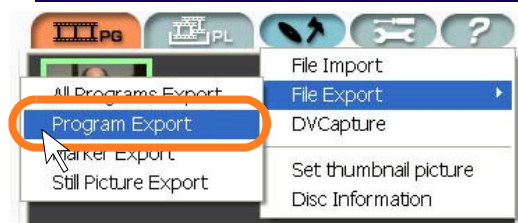
Exporting a favorite program

You can export your favorite program or only the marker sections of a program as files.

1. Click the program to be exported.

- The program is selected.

2. Click in the auxiliary function button [] and click [File Export] - [Program Export].



- The [Program Export] screen is displayed.
- Or you may either right-click the thumbnail of the program to be exported and select [Export] to activate it.

3. Set [Export Mode][Option][Destination Folder] and click in the start button similar to Steps 3, 4 and 5 in [Exporting all programs] (P37).

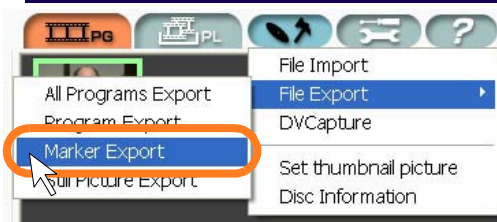


Exporting a favorite scene in a program

1. Click the scene (marker) to be exported in the program.

- The marker scene is selected.

2. Click in the auxiliary function button [] and click [File Export] - [Marker Export].



- The [Marker Export] screen is displayed.
- You may right-click the marker to select [Export].

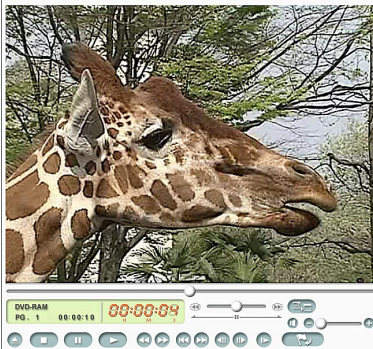
3. Set [Export Mode][Destination Folder] and click in the start button similarly to Steps 3 and 5 in [Exporting all programs](P37).

- An optional setting is not available.

Exporting a still image

You can export your favorite still image (BMP format).

1. Display the scene to be exported.



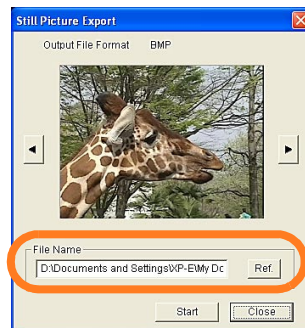
- Use the play button, shuttle search or the time slider to find your favorite scene.

2. Click in the auxiliary function button [] and click [File Export] - [Still Picture Export].



- The [Still Picture Export] screen is displayed and the still image selected is displayed in the screen. Click [◀] or [▶] to display the still image previous or next to the selected still image, respectively. (This allows the image to be adjusted for export.)
- You may either right-click the still image displayed to select [Still Picture Export].

3. Input the names of the folder and file to which a file is exported.



- To export two or more images, ensure to input the file names. If an image with the same file name is exported, the original image will be overwritten. (Ex. C:\My Documents\bitmap2.bmp)

4. Click in the [Start] button.



- After exporting is completed, a message is displayed.
- When exporting a file, an HTML format menu file, etc. will be output. (P41)

Exporting a program

Notes:

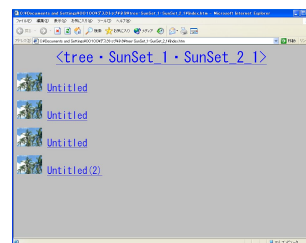
- When an image is exported, a folder containing disc title name, program title name, etc. is created. If a reserved character that cannot be used for a folder name is attempted, a one-byte space replaces that character. (Unuseable characters are \, /, :, ;, *, ?, ", <, >, |, etc.)
- If the title name is not defined or the specified folder cannot be created when exporting an image, an [untitled] folder will be created.
- If a program to be exported contains motion pictures with different record modes (XP mode, SP mode, etc.) or different resolutions, these are recognized as different images. [Simple Export] outputs two or more MPEG files even if only one program is exported. If you use a Panasonic-made DVD recorder, record video by setting the [Hybrid VBR] setting of [Initial setting] to [Normal]. If [Advance] is set here, the system may automatically change the resolution while recording, and thus the video exported is split into two or more files. For setting details, refer to the manual of the DVD recorder in use. In the [Same Resolution] mode, the images with different resolutions can be output as one file. However, as the images are re-encoded, it may take a longer time to output them than expected for some images and the picture quality may be degraded.
- When exporting a still image with [Program export], determine the length of time of the still image to be exported with [Still picture playback] in the [Playback setting] column in Environment Setting[].
- The audio corresponding to the file exported is the same as the [Select audio mode] setting of Environment setting [].
(For example, to export all the audio information of main audio channel and sub audio channel, select [main + sub (L+R)].)
- To create a DVD-Video file using an exported MPEG file, another application is required.
- To create a DVD-Video file by exporting an image imported from a file, set the record mode to either the SP mode or LP mode when importing. To set to the XP mode, check [Use DVD-Video] and then import the image. When creating a DVD-Video file by exporting an image recorded on a DVD recorder, record the video with a reduced bit rate. However, the video recorded on a DVD recorder has been recorded with a variable bit rate (VBR) so that it may be presented in high quality. Such video, even if

recorded in the SP mode or LP mode, may exceed the bit rate useable with DVD-Video depending on the scene. When an output file is used to create a DVD-Video file, check [Use DVD-Video].

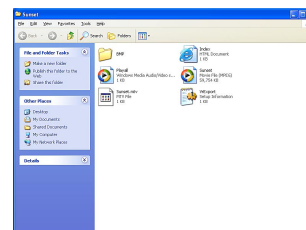
- When an image is exported in the MPEG2 format, the title information, etc. assigned by this software is output as "VRExport.inf" file. This file can be used for creating a DVD-Video file. As an "index.htm" file is also output, which can be used as a menu of images, you can create a disc with a menu that can be reproduced on a DVD-ROM drive or CD-ROM drive, if a DVD-R/RW or CD-R/RW disc is burnt with the video together with the folder created. (Before exporting, carry out the title setting for the program, scenes and markers. The title name set will be output.)
- When an image is exported, a certification file (extension: .mtv) is output together with the image. This file is required when a DVD-RAM disc is recorded in the video recording format. Do not delete it.
- To play the image from the HTML-format menu [index.htm] output, Windows Media Player 6.4 or later is required. If you only have the earlier version, obtain the latest version at the following web site as necessary. (MPEG2 decoder software is also required.)

Web site:

<http://www.microsoft.com/windows/windowsmedia/en/download/>



Example of menu in HTML format

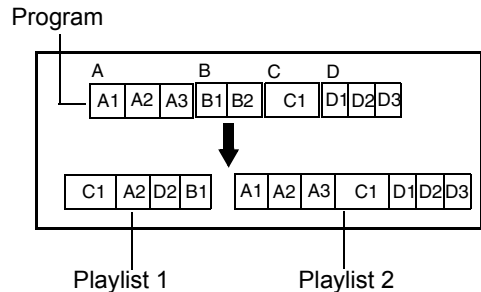
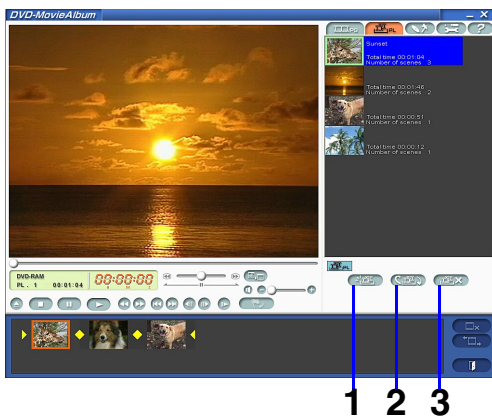


Example of file output

Creation and edition of a playlist

You can select scenes from the programs recorded from which you can create and edit a playlist for enjoyment. This is a convenient editing function allowing scenes from two or more programs to be selected and the playlists to be played in an arbitrary order.

As the playlist does not separately record the scenes registered in another area and hardly uses any extra disc space.



Notes:

- Up to 99 playlists can be registered on one side of a DVD-RAM disc.
- The editing resolution is normally approx. 0.5 seconds. Edition by frame is not supported.
- During editing a playlist DVD-MovieAlbum cannot be exited. To exit, first click in the edit end button [].

Selecting the playlist tab [] will allow the following playlists to be created or edited.

1. Creating a new playlist

- **To register all programs selected in a playlist.**
 - Registers all the selected programs as a scene and creates a playlist. (P43)
- **To register a part of a program selected in a playlist.**
 - Registers a part of program selected as a scene and creates a playlist. (P44)

2. Changing playlist

- **Adding a scene**
 - Registers and adds a scene at the end of the playlist. (P46)
- **Moving a scene**
 - Moves a scene registered in the playlist. (P47)
- **Deleting a scene**
 - Deletes a scene in the playlist. (P49)

3. Deleting a playlist

- Deletes a playlist. (P50)

Example of creation of playlist:
(Creating two playlists)

Creating a new playlist

To register all selected programs in a playlist.
Registers all the selected programs as a scene and creates a playlist.

1. Click in the playlist tab [].

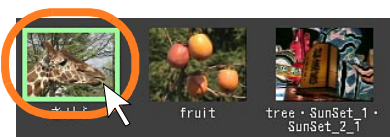


2. Click in the new creation button [].



- The scene selection screen is switched to.

3. Click the thumbnail of the program to be registered in the playlist.

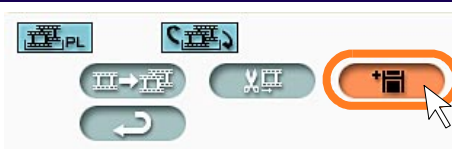


4. Click in the add all button [].



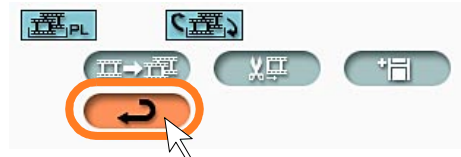
- The still image showing the beginning of the program selected is scene-displayed in the marker/scene display field.
- To register scenes successively, repeat Steps 3 and 4.

5. Click in the list save button [].



6. A confirmation message to save the playlist appears. Click on the [Yes] button.

7. Click in the edit end button [].



- The playlist play screen is switched to and the playlist created is displayed in the thumbnail/list display field.

Notes:

- If the playlist is not saved by [List Save], a confirmation message to save the edited contents is displayed when the edit end button [] is clicked. Proceed in accordance with the instructions on the screen.
- If [Off] is set for [Scene Display] in [Display Setting] on the environment setting button [] (P54), the scenes are not displayed.
- Up to 99 playlists can be registered on one side of a DVD-RAM disc.

■ To change the title name for the playlist:

- Right-click the thumbnail of the playlist and select [Properties] to display [Play list Information] for change.

■ To change the representative image of the playlist thumbnail:

- Select [Set thumbnail picture] of the auxiliary functions button [] to change. (P62)

Creation and edition of a playlist

To register a part of a program selected in a playlist.

Registers a part of a program selected as a scene and creates a playlist.

1. Click in the playlist tab [].

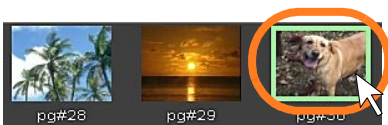


2. Click in the new creation button [].



- The scene selection screen is switched to.

3. Click the thumbnail of the program.



4. Find the beginning of the scene and pause.

- Use the play button, shuttle search or the time slider to find such a position.

5. Click in the In-point setting button [].

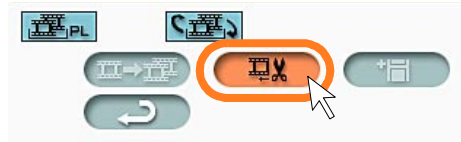


- The beginning of the scene is set.

6. Find the end of the scene and pause.

- Use the play button, shuttle search or the time slider to find the end of the scene.

7. Click in the Out-point setting button [].



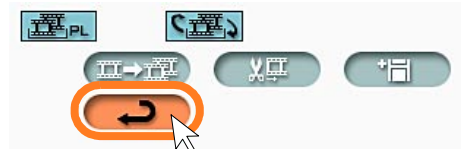
- The still image showing the beginning of the scene in the marker/scene display field.
- To register scenes successively, repeat Steps 3 through 7.

8. Click in the list save button [].

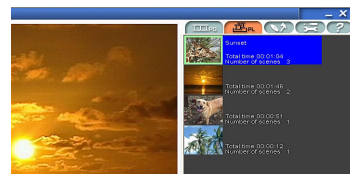


9. A confirmation message to save the playlist appears. Click in the [Yes] button.

10. Click in the edit end button [].



- The playlist play screen is switched to and the playlist created is displayed in the thumbnail/list display field.



Notes:

- You are not allowed to set the In-point setting button [] and Out-point setting button [] over different programs.
- If the Out-point setting button [] is clicked, after setting the In-point setting button

[], reversing toward the beginning of the program, the beginning of the scene is set at the point at which the Out-point setting button [] is clicked and the position at which the In-point setting button [] is set as the end of the scene.

- To cancel the In-point setting after the button [] is clicked, click in the edit end button []. The playlist play screen reverts.

Changing a playlist

To add a scene:

Registers and adds a scene at the end of the playlist.

1. Click in the list change button

[].



- The scene selection screen is switched to.
- You may either right-click the thumbnail to select [Change].

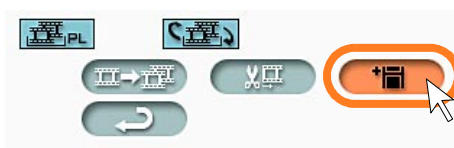
2. To add a scene:

- To add the whole program as a scene, repeat Steps 3 and 4 of **P43**.
- To register a part of the program as a scene, repeat Steps 3 to 7 of **P44**.
- The scene added will be displayed at the end of the marker/scene display field.



3. Click in the list save button

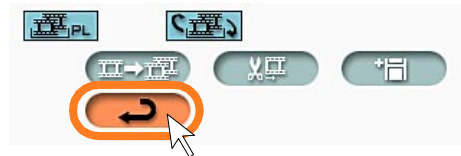
[].



4. A confirmation message to save the playlist appears. Click in the [Yes] button.

5. Click in the edit end button

[].



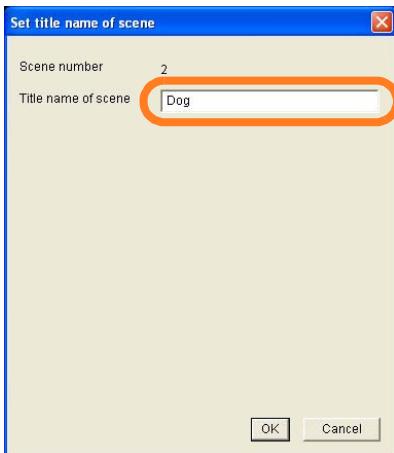
- The playlist play screen is switched to and the playlist changed is displayed in the thumbnail/list display field.

Changing the title name of a scene

1. Right-click the thumbnail of the scene which you want to display and select [Property].

- The [Set title name of scene] screen is displayed.

2. Input the [Title name of scene].



- Up to 64 characters can be used for [Title name of scene].

3. Click in the [OK] button.



Notes:

- Up to 999 scenes can be registered on one side of a DVD-RAM disc.

Moving a scene

Moves a scene registered in the playlist to change the order of play.

1. Click the thumbnail of the playlist to be moved.



2. Click in the list change button [Change].



- The scene selection screen is switched to.
- You may either right-click the thumbnail to select [Change].

3. (In this example the beginning scene is moved to be inserted between the second and the third scenes.) Select the scene (beginning) in the marker/scene display field, drag it to the ◆ mark of the desired position (between the second and third scenes) and drop it there.



- The beginning scene is moved to the position between the second and the third scenes.
- To move the scene to the beginning, drag it to the ► mark and drop it there.
- To move the scene to the end, drag it to the ◀ mark and drop it there.

4. Click in the list save button

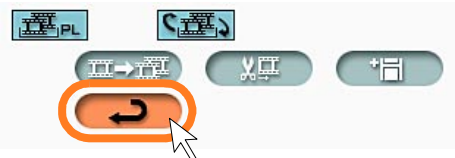
[].



5. A confirmation message to save the playlist appears. Click in the [Yes] button.

6. Click in the edit end button

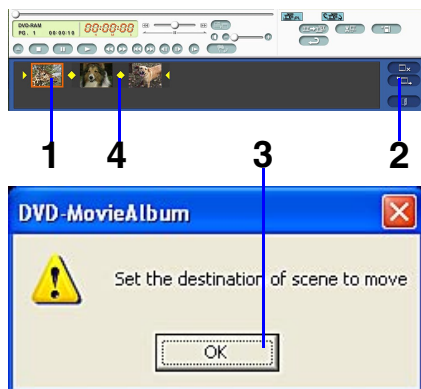
[].



- The playlist play screen is switched to and the playlist changed is displayed in the thumbnail/list display field.

■ To move the scene using an operation button:

Instead of Step 3 of [Moving scene] (P47),



1. Click in the scene (beginning) to be moved in the marker/scene display field.
2. Click in the scene move button [].
 - The confirmation message above is displayed.
3. Click in the [OK] button.

4. Click in the mark of the position (between the second and third scenes) to be moved to.
 - The beginning scene is moved to the position between the second and third scenes.

Deleting a scene

Deletes a scene in the playlist.

1. Click the thumbnail of the playlist.

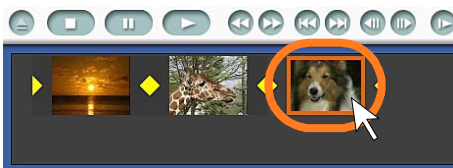
2. Click in the list change button

[].



- The scene selection screen is switched to.
- You may either right-click the thumbnail to select [Change].

3. Click the scene to be deleted.



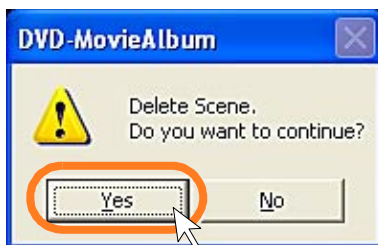
4. Click in the scene delete button

[].



- A confirmation message is displayed.
- You may either right-click the scene to be deleted to select [Delete].

5. Click in the [Yes] button.



- The scene is deleted.

6. Click in the list save button

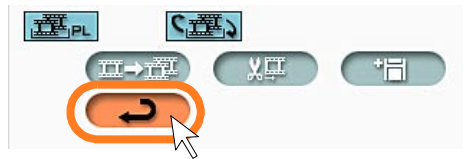
[].



7. A confirmation message to save the playlist appears. Click in the [Yes] button.

8. Click in the edit end button

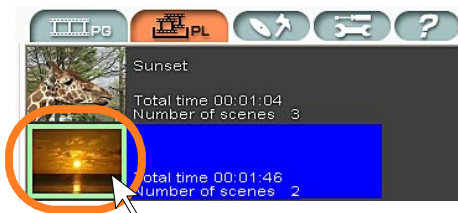
[].



- The playlist play screen is switched to and the playlist changed is displayed in the thumbnail/list display field.

Deleting a playlist

1. Click the thumbnail of the playlist to be deleted.

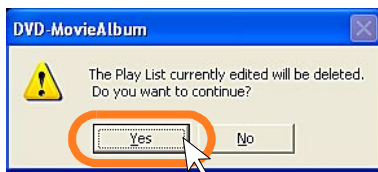


2. Click in the list delete button [].



- A confirmation message is displayed.
- You may either click the thumbnail to select [Delete].

3. Click in the [Yes] button.



- The playlist is deleted in the thumbnail/list display field.

Notes:

- Even if a playlist or scene is deleted, the program is not erased.

Playing a playlist

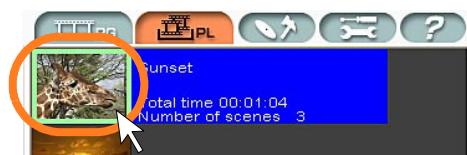
The basic operation of the playlist play mode is described.

Select the playlist tab [] and select the thumbnail of the playlist and the scene, and fast forward, fast rewinding, skipping, slow play, frame forward/rewinding, time slider, shuttle search, etc. can be operated like the program play mode.

1. Click in the playlist tab [].

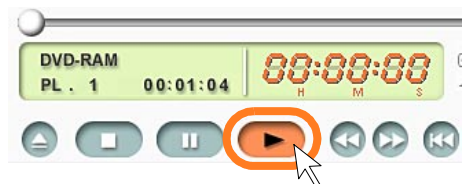


2. Click the thumbnail of the playlist to be played.



- A still image is displayed in the play image display field.

3. Play a playlist by clicking in the play button [].



- When the playing of one playlist is completed, the system reverts to the beginning screen and stops.
- You can also double-click the thumbnail of the playlist to play it.

Notes:

Each operation in the playlist play mode is effective for the selected playlist only.

- If, during playing a playlist, the thumbnail of the other playlist is clicked, that playlist is selected, while the play of the first playlist stops.
- Each operation of fast forward, fast rewinding, skipping, slow play and shuttle search is effective for the selected playlist only.

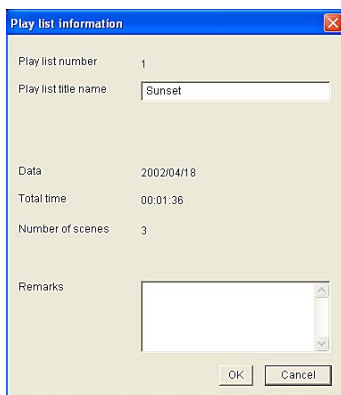
Playlist information display

1. Right-click the thumbnail of the playlist which you want to display and select [Property].



- The [Play list Information] screen is displayed.

2. Input into the item to be changed.



- Input [Play list title name] and [Remarks] as necessary.
- Up to 64 characters can be used for [Play list title name].
- Up to 255 characters can be used for [Remarks] of a playlist.

3. Click in the [OK] button.



Exporting a playlist

Exports a playlist as an image file in MPEG2 format. You can also export an arbitrary scene selected. (When exporting a playlist, the file will be divided by scene.) An arbitrary screen is exported as a file of still image in BMP format. The operation procedure for exporting a playlist is the same as that for exporting a program. For details, please refer to the pages describing exporting a program. Please also refer to Notes on (P41).

Exporting an arbitrary playlist

Follow the procedure below to export an arbitrary playlist. Click a playlist to select. Then, select Auxiliary Function [] -> [File Export] -> [Playlist Export]. You may either right-click the playlist to select [Export].

The actual procedure is the same as that for exporting a program. Please read [Exporting a favorite scene in a program].(P39)
In the [Simple Export] mode, the file is divided by scene.

Exporting an arbitrary scene

Follow the procedure below to export an arbitrary scene. Click a scene to select. Then, select Auxiliary Function [] -> [File Export] -> [Scene Export]. You may either right-click the scene to select [Export].

The actual procedure is the same as that for exporting a program. Please read [Exporting a favourite scene in a program].(P39)

Exporting a still image

This is to export your favorite screen to a file of still images (BMP format).

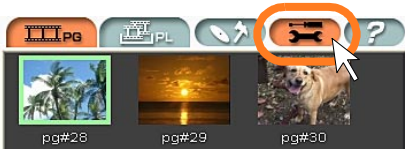
The actual procedure is the same as that for exporting a program. Please read [Exporting a still image].

(P40)

Environment setting

In the environment setting, the display method, play mode, drive, etc. are set.

1. Click in the environment setting button [] on top of the screen.



- The [Preference] screen is displayed.

2. Click in the "Set" tab.

- Select the [Display Setting] , [Playback Setting] or [Device Setting] tab.

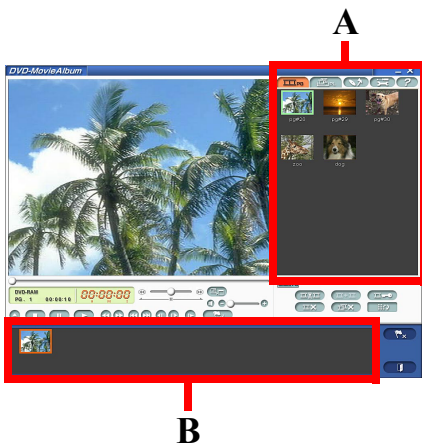
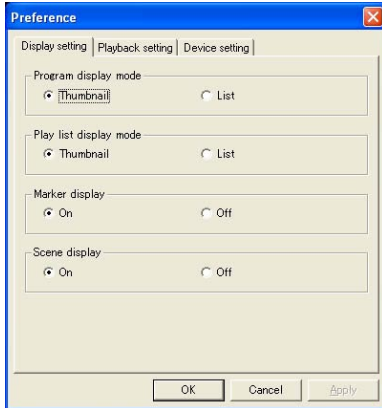
3. Click the selection section for the item to be changed.

- [○] changes to [●] to be selected.

4. Click [OK] to select.

Display setting

In the Display setting, [Thumbnail], [List], etc. are set.

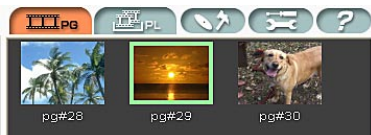


A. Thumbnail/list display field

B. Marker/scene display field

■ Program display mode

☒ Thumbnail:



The representative images of the programs are thumbnail-displayed. (Default setting)

☐ List:

Num...	Program title name	Total time
PG...	pg#28	00:00:10
PG...	pg#29	00:01:38
PG...	pg#30	00:00:51

Displays [Number], [Program title name] and [Total time].

■ Playlist display mode

☒ Thumbnail:



The representative images of the playlists are thumbnail-displayed. (Default setting)

☐ List:

Num...	Play list title name	Total time
PL...	Sunset	00:01:04
PL...		00:01:46

Displays [Number], [Play list title name] and [Total time].

■ Marker display

☒ On:

The markers are displayed in the marker/scene display field. (Default setting)

☐ Off:

The markers are not displayed in the marker/scene display field.

■ Scene display

☒ On:

The scenes are displayed in the marker/scene display field. (Default setting)

☐ Off:

The scenes are not displayed in the marker/scene display field.

Playback setting

In the playback setting, the order of play and the play statuses for still images, audio, etc. are set.



■ Playback mode

- ☒ All programs:
All programs on a DVD-RAM disc are played continuously and sequentially. (Default setting)
In the playlist, play is performed only in the playlist selected. Two or more playlists cannot be played continuously.
- ☐ Selected programs:
Plays only the selected programs.
- ☐ Repeat:
All or the selected programs are repeatedly played.

■ Still picture playback

This setting is effective for only still images without audio.

Set the display time for still-image play in seconds.

The maximum settable time is 10 seconds.

■ Select audio mode

Select one audio output type for play from the following three types.

- ☒ Main + sub (L + R):
If a program is recorded in the stereo or sound multiplex mode, the main audio and the sub audio are output through both channel speakers. (Default setting)
- ☐ Main (L):
If a program is recorded with only the L channel or in the sound multiplex mode, the

main audio is output through both channel speakers.

- ☐ Sub (R):
If a program is recorded with only the R channel or in the sound multiplex mode, the sub audio is output through both channel speakers.

■ After recorded audio

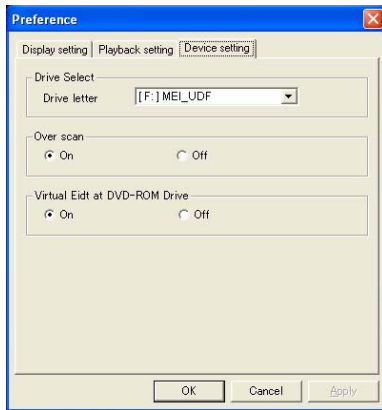
- ☒ Play:
Plays the postrecorded audio. (Default setting)
- ☐ Do not play:
The postrecorded audio is not played.

■ Sub picture

When a disc recorded with sub pictures (superimposed dialogue, etc.) is displayed, the sub pictures can be displayed.

- ☒ On:
The sub pictures are displayed. (Default setting)
- ☐ Off:
The sub pictures are not displayed.

Device setting



■ Virtual Edit at DVD-ROM Drive

- ☒ On:
Allows the program or list to be virtually edited when a DVD-ROM drive is used. (Default setting)
- ☐ Off:
The program or list is not allowed to be edited when a DVD-ROM drive is used.

■ Drive select

If there are two or more DVD-RAM drives to be played from, set a drive to be used. If there is only one DVD-RAM drive, no setting is required.



■ Over scan

- ☒ On:
Displays only the image area that can be displayed in the play image field. If the image is larger than the play image field, top, bottom, left and right edges are clipped for display. (Default setting)
- ☐ Off:
Displays the whole image area in the play image field. If the image is larger than the play image field, the image is shrunk for display.

Notes:

- If the over-scanning is set to [Off], periodic vertical stripes may appear on some personal computers. In this case, set the over-scanning to [On].

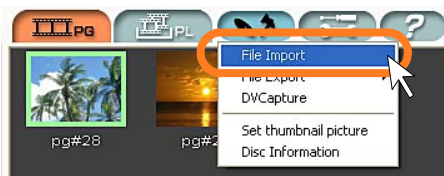
Auxiliary functions

Use the auxiliary functions of the program play and edit modes.

The auxiliary functions allows DV-format AVI, pictures of MPEG2 file (MTV format) or still images to be imported and pictures to be exported to a file, DV capture to be activated or representative images to be set. The Auxiliary Functions can be used only in STOP or PAUSE.

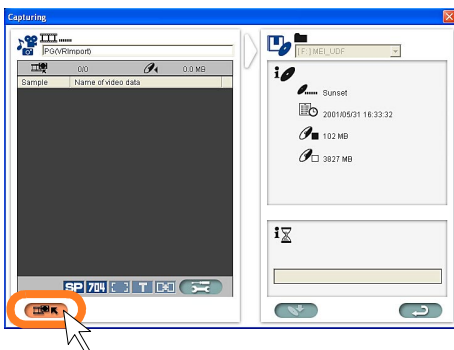
Image importing from a file

1. Click in the auxiliary function button [] and select [File Import] .

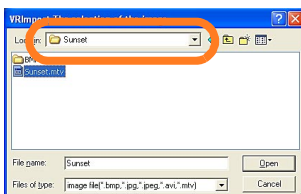


- The [Capturing] window is displayed.

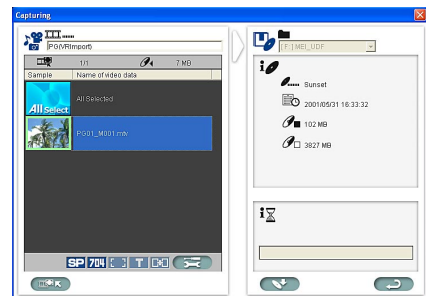
2. Click in the video selection button [] and select the file to be imported .



- The file selection screen is displayed.
- Click "Location" to select the folder containing the file to be imported.



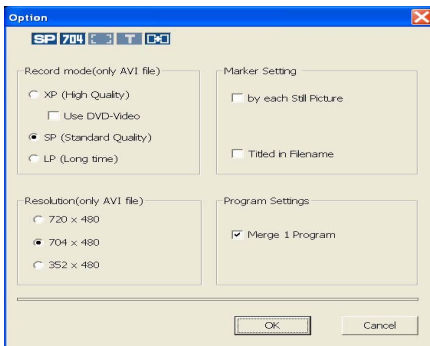
- Select the file to be imported from the files displayed and click in the [Open] button.
- Select while the [Shift] key or [Ctrl] key is being pressed to select two or more files. After selecting one file, select the next file while the [Shift] key is being pressed, all the files shown between these files can be selected at a time. If the [Ctrl] key is being pressed, two or more files can be selected.
- If two or more files are selected, the files are imported in the alphabetical order of the file names.
- Select a file to be imported and click in the [Open] button to get the information of the file selected (name of selected video file, file volume and the beginning thumbnail image) to be displayed in each field.



Notes:

- The content of the file selected can be confirmed by right-clicking the thumbnail and selecting [Preview].
- This function supports DV-format AVI files imported by MotionDV STUDIO.
- The MPEG files that can be imported by DVD-MovieAlbum are only those in MTV format. **(P6)**
- Still image files that can be imported by DVD-MovieAlbum are those in BMP or JPEG format.

3. Click in the option button [] to display the [Option] window.



4. Select the recording mode and resolution.

- The maximum recordable time in each recording mode is as follows.
 - XP mode (high quality):** Approx. one hour, maximum
 - SP mode (standard):** Approx. two hours, maximum
 - LP mode (long play):** Approx. four hours, maximum
- If [Use DVD-Video] is checked in the XP mode, the maximum recordable time will be approx. 70 minutes.
- If the importing size is decreased, the file can be converted at a faster speed but the resolution will be degraded due to the limited number of pixels.
- The record mode setting is applicable to AVI files only.

5. Select the marker setting.

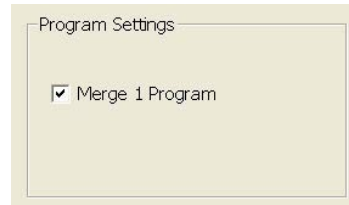


Set the position into which the marker is automatically inserted.

- [by each Still Picture]
Markers are inserted in the still image sections of the images to be imported.

- [Titled in Filename]
The file names of the images imported are set for the marker title names.

6. Select the program setting.



- [Merge 1 Program]
Combines the images imported into one program.

Notes:

- When you import a continuous part of still images, the part will be combined into one program without your having to select [Merge 1 Program].

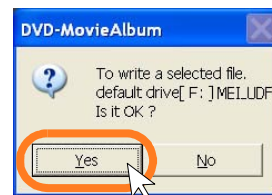
7. Click in the [OK] button.



8. Click in the start button [].



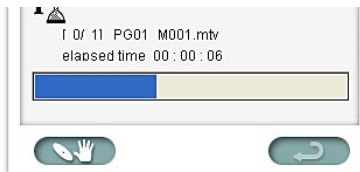
A confirmation dialog is displayed.



- Click [Yes] to start importing.
- If [No] is clicked, the [Capturing] screen reverts.

9.Import images.

- Click [Yes], and the images begin to be imported with the progress bar displayed.



- Click Cancel button [] in the progress bar to cancel importing. The images imported before cancellation are registered in the program.
- On completion of importing, close the [Capturing] screen, the beginning image of the file selected is displayed in the thumbnail/list display field.

- To find the setting status in the option window, refer to the status display section in the [Capturing] window shown below.



10.Importing other files successively

- To import other files successively, repeat steps 2 through to 9 above.

11.Exit.

- To exit, click in the exit button [].

Notes:

- In importing MPEG image files, compensation is applied so that the video and the corresponding audio are kept in synchronization with each other. However, some scenes may not be compensated perfectly, resulting in out-of-synchronization.
- The time required for conversion is varied depending on the environment of the personal computer, recording mode and conversion mode settings. Select one depending on the application.
- When creating a DVD-Video file, the images recorded in the normal XP mode cannot be used for the file, even if it is exported. When recording in the XP mode, check [Use DVD-Video] and then record.
- When two or more programs are merged into one program, the title entered in the program title entry block will become the title of the merged program. In any other case, the file name will become the program title.

Exporting images to a file

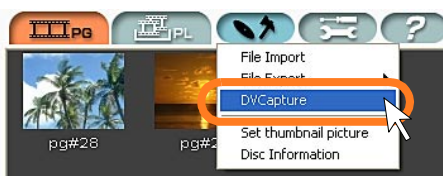
Exports a program as a file in MPEG2 format.
Please read [Exporting Program].(P37)

DVCapture

DVCapture is activated.

If DV Capture is used, video and audio fed from digital video camera (DVC), etc. can be recorded on the hard disk of a personal computer.

1. Select [DVCapture] of Auxiliary Function []



- [DV Capture] is activated.

Please refer to the operation manual for DV Capture for how to use DV Capture.

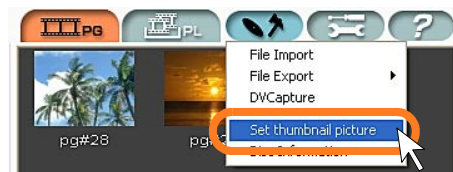
Setting representative images

1. Double-click the thumbnail of the program to be displayed to play.

2. Click in the pause button [] to display the image to represent.

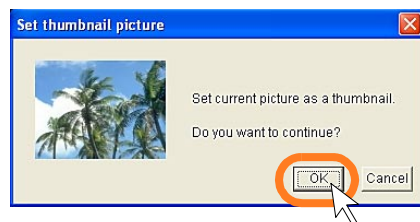


3. Click in the auxiliary button [] and [Set thumbnail picture].



- A confirmation message is displayed.

4. Click in the [OK] button.



- The thumbnail of the program is replaced by the image set.

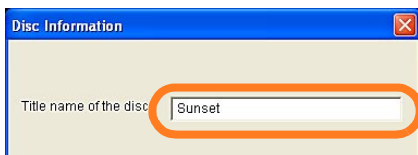
Disc information display

1. Click in the auxiliary button [] and select [Disc Information].



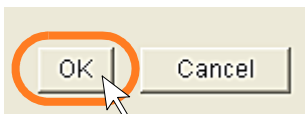
- The information of the DVD-RAM disc currently used is displayed.

2. Input the [Title name of the disc].



- Up to 64 characters can be used for [Title name of the disc].

3. Click in the [OK] button.



Use the auxiliary functions of the playlist play and edit modes.

Select the playlist tab [ PL] and set the auxiliary functions in the playlist play and edit modes.

Exporting images to a file

Exports a playlist as a file in MPEG2 format.
Please read [Exporting Playlist].(P52)

Setting representative images

1. Double-click the thumbnail of the playlist to be displayed to play.

2. Click in the pause button [] to display the image to represent.

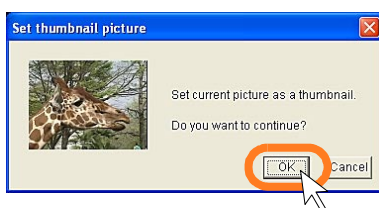


3. Click in the auxiliary button [] and select [Set thumbnail picture].



- A confirmation message is displayed.

4. Click in the [OK] button.



- The thumbnail of the playlist is replaced by the image set.

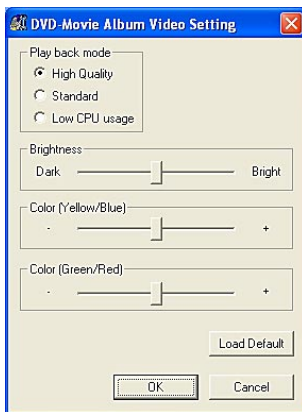
Disc information display

- Set similarly to "Use the auxiliary functions of the program play and edit modes." (P61)

Setting [DVD-MovieAlbum Video Setting]

Set the play environment for DVD-MovieAlbum.
To set the play environment, activate [DVD-MovieAlbum Video Setting].

■ **How to activate [DVD-MovieAlbum Video Setting]**
Select [Start] → [All Programs] → [Hitachi DVDCAM] → [DVD-MovieAlbum SE] → [DVD-MovieAlbum SE Setting].
[DVD-MovieAlbum Video Setting] is activated and the setting panel is displayed.



Notes:

- The start menu looks different depending on the folder in which this software is installed.
- [DVD-MovieAlbum Video Setting] can also be activated by selecting [Video Quality Setting] in the shortcut menu displayed by right-clicking the play image display field.

■ Playback mode

You can select the picture quality of the image played in accordance with the performance of your personal computer.
Select the desired mode and click in the [OK] button.

[●] **High Quality:**

This is the mode in which picture quality takes priority. The load on CPU on the personal computer is slightly increased in comparison with the standard mode.
Images played may have frame drops or be subject to a rough effect depending the environment of the personal computer in use or the images themselves

[○] **Standard:**

This is the mode in which balancing of the picture quality and the load on CPU, etc. is considered.

[○] **Low CPU usage:**

This is the mode in which speed takes priority. The picture quality is degraded.

Notes:

- To enable the settings in the play mode, DVD-MovieAlbum must be restarted. Simply changing the settings while DVD-MovieAlbum is operating are not effective.

■ Setting brightness/hue

Adjusts the brightness and hue of the images played. While monitoring the effect on the image played, move the slider button corresponding to the item to be set.

Click in the [OK] button after setting.

Notes:

- As the effect of the setting is not reflected on the screen while stopping or in the pause state, set them while the image is being played.

Copying a disc in the Video Recording format

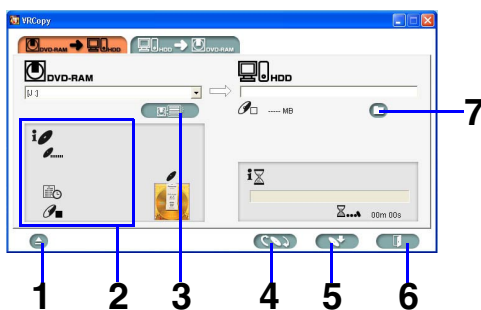
[DVD-MovieAlbum CopyTool] is the software to copy the video recorded on a DVD-RAM disc in the Video Recording format onto another DVD-RAM disc. Please read the description on the successive page and after for the actual operation. (To copy video data, the disk to be copied to is required to have a free space larger than the volume of the data in the Video Recording format.)

■ How to activate [DVD-MovieAlbum Copy Tool]

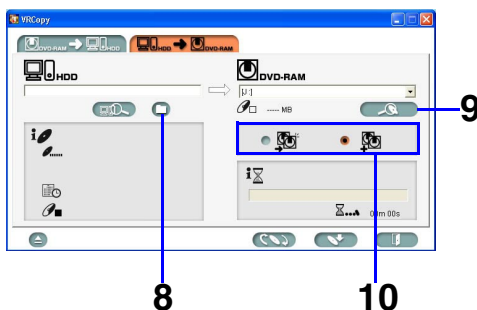
Select [Start] -> [All Program] -> [Hitachi DVDCAM] -> [DVD-MovieAlbumSE] -> [DVD-MovieAlbum CopyTool].

- The start menu looks different depending on the folder in which this software is installed.
- [DVD-MovieAlbum CopyTool] is activated and the following screen will be displayed.

DVD-RAM -> HDD



HDD -> DVD-RAM



1. Load/eject the disc.
2. The information concerning the disc set as the copy source (title name, date and time created and video volume) is displayed. If the title name is not set, it is not displayed.
3. Select the program to be copied.
4. The information of the copy source and destination is updated.
5. Copying starts.
6. The copy tool of DVD-MovieAlbum is exited.
7. Define where on the hard disk the video copied is (temporarily) saved.
8. Select the folder in the hard disk storing the copy source program.
9. Check the information of the copy destination disc.
10. Decide whether you copy additionally or erase the contents of the disc and copy the new data.

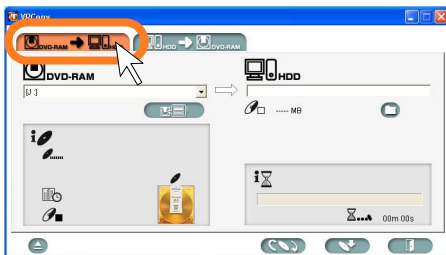
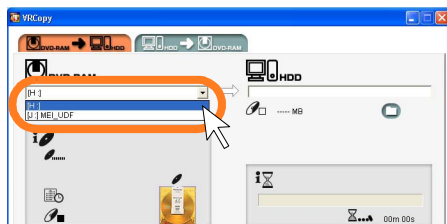
Notes:

- The data in the Video Recording format copied onto the hard disk may be copied using Explorer onto a DVD-RAM disc but cannot be played. Ensure to copy using this software.
- The disc recording the video with the condition that it can be recorded on a DVD recorder only once cannot be copied.
- The video may be degraded depending on some discs (one adhered with fingerprints or dust, etc.) to be copied.
- Some mini port drivers for the SCSI board in use do not support the commands issued by this software and the system may hang during copying. Use the latest version of the mini port driver of the SCSI board manufacturer.

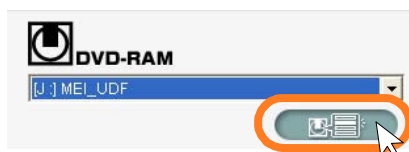
Copying a disc in the Video Recording format

[1] Copying from a DVD-RAM disc to the hard disk.

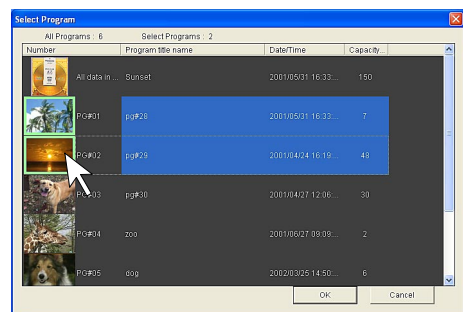
First, copy the contents of the disc to the hard disk. Then, copy the video data copied on the hard disk to another disc. (If you copy the data which had been copied on the hard disk to another DVD-RAM disc, execute from [2](P67).)

1. Set the DVD-RAM disc to be copied from in the DVD-RAM drive.**2. Check that the [DVD-RAM -> HDD] tab is selected.****3. Select the copy source (DVD-RAM drive).**

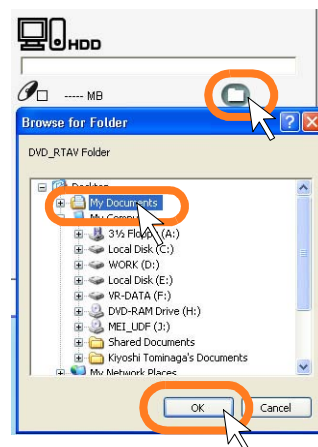
- The names of the rewritable type drive and ROM type drive assigned to the DVD-RAM drive are displayed. Select the name of the rewritable type drive.

4. Click in the Select Program button [].

- The [Select Program] screen is displayed.
- If you copy all the programs, it is not necessary to select any program. Proceed to Step 6.

5. Click the program to be copied.

- The selected program is highlighted.
- Select while the [Shift] key or [Ctrl] key is being pressed to select two or more files.
- After selection, click in the [OK] button.

6. Select the copy destination (HDD folder).

- Select a folder on the hard disk to temporarily copy the data to. For example, click in the Reference button [] and select the My Documents folder in the C drive (C:\My Documents)

7. Click in the Start button [].

- A confirmation message to start copying appears. Click in the [Yes] button. Copies the data from the specified DVD-RAM drive onto the hard disk. A [DVD_RTAV] folder is automatically created in the folder selected (C:\My Documents\DVD_RTAV). The

Copying a disc in the Video Recording format

copying state is indicated with a progress bar. A message appears on completion.

Notes:

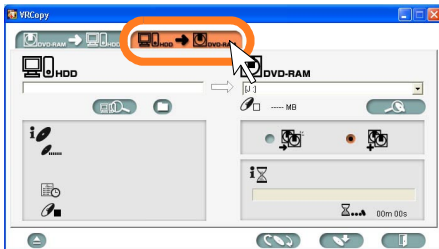
- If the data in the Video Recording format already exists in the specified folder, a message appears. If you delete that file, click in the [Yes] button and if you don't, click in the [No] button and select another folder.

Copying a disc in the Video Recording format

[2] Copying from the hard disk to a DVD-RAM disc.

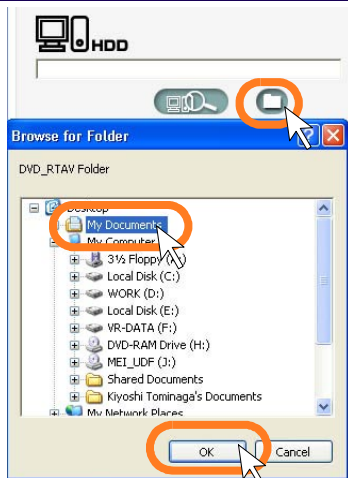
1. Set a DVD-RAM disc to be copied to in the DVD-RAM drive.

2. Select the [HDD -> DVD-RAM] tab.



- The screen above is displayed. If this tab is selected after the data is copied from the DVD-RAM disc to the hard disk, the information concerning the copy source and copy destination is set automatically. Check the setting information and proceed to Step 6.

3. Select the copy source (HDD folder).



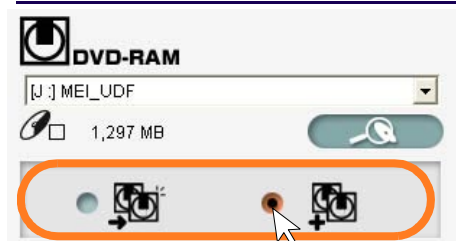
- Select the hard disk folder (C:\My Documents\DVD_RTAV) copied in [1].
- Click in the reserved button [], and the [reserved] screen will be displayed to allow you to confirm the copy source program.

4. Select the copy destination (DVD-RAM drive).



- The names of the rewritable type drive and ROM type drive assigned to the DVD-RAM drive are displayed. Select the name of the rewritable type drive.
- To check the contents of the copy destination disc, click in the Disc Check button []. The program check screen is displayed.

5. Setting copy mode

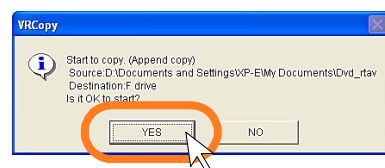


- If New copy [] is selected, the contents of the [DVD_RTAV] folder in the DVD-RAM disc are all erased and copying will be carried out newly.
- If Append copy [] is selected, the data will be added to the end of the data in the Video Recording format on the DVD-RAM disc.

6. Click in the button [].

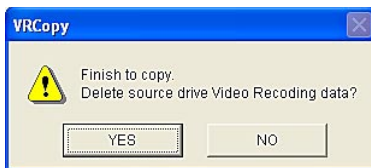


- Click [Yes] for the message to be displayed. If New Copy [] is selected, a confirmation message asking whether or not the data in the Video Recording format on the DVD-RAM disc is deleted. If you deleted the data, click in the [Yes] button.



Copying a disc in the Video Recording format

- Copies the data from the specified hard disk folder onto the DVD-RAM drive.
- The copying state is indicated with a progress bar. A message appears on completion.
- After copying, a confirmation message asking whether or not the data in the Video Recording format on the copy source hard disk is deleted. If you delete the data, click in the [Yes] button or if you don't, click in the [No] button.



Notes:

- If the append copy is selected, the information of the playlist will not be copied.

When in trouble!?

If you encounter any trouble, check the following.

■ When starting or playing:

Phenomenon of trouble	Remedy
A DVD-RAM disc is set, but no video is presented.	- If you use two or more DVD-RAM drives, select Environment Setting [] on the main screen of DVD-MovieAlbum - [Device Setting] - [Drive Select]. Set the correct drive here. - Check that the disc recording video in the Video Recording format is set.
When a DVD-RAM disc is set, an error message is displayed.	DVD-MovieAlbum is the software exclusively for 4.7-GB/9.4-GB DVD-RAM disc (or 8-cm DVD-RAM disc) formatted in UDF2.0 format. If a disc in different formats or with different volume is inserted, an error message is displayed. Use a correct disc.
A decoder initialisation error is presented when activated.	- Proceed to [Display Properties] - [Settings]. Set 1024 by 768 pixels for [Screen resolution] and [Medium (16 bits)] for [Color quality]. - Proceed to [Display properties] - [Settings] - [Advanced] - [Monitor] and reduce the refresh rate of the monitor. - Proceed to [Display properties] - [Settings] - [Advanced] - [Troubleshoot] and set the hardware acceleration settings to [Full].
The screen is shaky or wavy. Or, the screen is noisy.	- Proceed to [Start] - [Control panel] - [Appearance and Themes] - [Change the screen resolution] and set [Color quality] to [Medium (16 bits)]. This may be fixed depending on the display board in use. - Set over-scanning. Proceed Environment setting[] - [Device setting] for set over-scanning. By setting over-scanning, roughly the centre of the image is played.
Images played may have frame drops or be subject to a jerky effect.	- Check that another application software is activated. - Images played may have frame drops or be subject to a jerky effect depending on the personal computer in use or the images themselves.
Images played while in fast forward/fast rewinding are disordered.	Images played are more or less disordered in these modes, but this is not a failure.
When a disc recorded on a DVD recorder is played, the motion is paused and an error message, "Cannot play the selected program, since it is copyright protected. Pause the playback." is displayed.	A disc recording a copyright-protected video which can be copied on a DVD recorder only once cannot be played with DVD-MovieAlbum. This phenomenon is normal.
The motion is paused in playing and an error message, "Stop playback, since the disc has many read error." is displayed.	Fingerprints or dirt may be adhered. If the disc is cleaned with an exclusive cleaner and this error is still displayed, the video may not have been recorded correctly.

Phenomenon of trouble	Remedy
If a disc is set, an error message, "Error is found in this disk. Cannot record to this disc. Use as Read Only mode disc."	• Checking of this disc being mounted found a failure in the Video Recording management information. The disc was then mounted in play mode only. Use this disc only for playing.
When a disc recording videos on a video cassette is played on a personal computer, noisy signals appear occasionally at the bottom of the screen.	• Depending on the combination with the VCR used for recording on a recorder, noisy signals may appear occasionally at the bottom of the screen. This is a video head switching signal. This is not a failure.
Sound is not audible or hardly audible. The sound level is low.	• Check the cable connection. • Check if the input switchings for TV, audio reproduction, etc. are correct. • Check if muting settings are ON in [Volume Control] and [Line Input] on the [Volume Control] screen on the personal computer. • Adjust for proper sound level on the main screen of DVD-MovieAlbum. • The sound is not reproduced at pause, during slow motion, fast forward or fast rewinding.
The sound is audible but the video is not displayed.	• Check the cable connection.
I can hear separate voices at the same time.	• This is because the sound multiplex program recorded is playing. Select Environment Setting [] on the main screen of DVD-MovieAlbum - [Playback Setting] tab - [Select audio mode]. In this column, select either [Main (L)] or [Sub (R)].
If access is attempted with other software, such as Explore, to the DVD-RAM drive being used by DVD-MovieAlbum, an error message, "F:\ is not accessible. Access is denied." is displayed. (In case the DVD-RAM drive is F:.)	• The disc used by DVD-MovieAlbum is not allowed to be accessed by other applications. This is a specification of DVD-MovieAlbum.
After activation, a mounting error (the message, "Drive F: is used by another application.") is displayed. (In case the DVD-RAM drive is F:.)	• Exit the other application using the drive. • If the DVD-RAM disc is left opened with Explorer on Windows 2000 Professional, a mounting error will result. Exit Explorer.
I cannot format a disc in UDF2.0 format on Windows XP or Windows 2000.	• Carefully read the manual for the DVD-RAM drive in use and format it in UDF2.0 format.
DVD-MovieAlbum or the copy tool of DVD-MovieAlbum (VRCopy) cannot be activated in the multi-processor environment on Windows XP or Windows 2000.	• This software does not support the multi-processor environment.

Phenomenon of trouble	Remedy
The software cannot be installed on Windows XP. (Or the software does not work.)	When you use Windows XP or Windows 2000, install this software after logging ON by setting the user name to [Administrator (or user name having the equivalent authority)].

■ In editing

Phenomenon of trouble	Remedy
A thumbnail different from the specified scene is created.	As the accuracy of edition is normally approx. 0.5 seconds, a thumbnail different from the specified scene may be created. This is not a failure. Edition by frame is not supported.
[Write protected] is displayed on the program edit screen. Edition cannot be performed.	- The write-protected disc is set. ☞ Unprotect the disc. - A write-protected program is attempted to be edited. ☞ For icons of write-protected programs, a key mark is displayed. Check the program to be edited and unprotect it. - Checking of this disc being mounted found a failure in the Video Recording management information. The disc was then mounted in play mode only. Use this disc only for playing. - The disc was set by a DVD recorder, "The whole disc is write-protected." It was then mounted in play mode only. Cancel this setting on the DVD recorder.
Markers cannot be inserted.	The maximum number of markers settable on a side of a DVD-RAM disc is 999.
Marker titles cannot be set.	The maximum number of titled markers settable on a side of a DVD-RAM disc is 99. (The remaining 900 markers can be inserted without title.)
New playlist cannot be created.	The maximum number of playlists settable on a side of a DVD-RAM disc is 99.
The contents of the disc in the Video Recording format cannot be copied with Explorer.	To copy the contents of the disc in the Video Recording format, use the copy tool supplied. Explorer can handle a file of maximum 2 GB on Windows98 or 4 GB on WindowsMe. The data in the Video Recording format copied onto a DVD-RAM disc with Explorer is not guaranteed for playing.
A DVD-Video file is attempted to be created by importing the data exported into another software, but an error message is present.	- The video recorded on a DVD recorder is compressed in Variable Bit Rate (VBR). Even if it is recorded in the SP or LP mode, some scenes may have a higher video bit rate. If a DVD-Video file is created by importing an MPEG2 file made of such exported video, some DVD-Video creation software may cause an error and is exited. - This software does not support creating a DVD-Video file using video recorded in the normal XP mode. Use video recorded in the XP mode with [Use DVD-Video] checked, SP mode or LP mode.

Phenomenon of trouble	Remedy
The virtual edit function does not work with the DVD-ROM drive.	If the DVD-ROM drive does not support reading a 4.7-GB DVD-RAM disc, this function is not operative. Check your DVD-ROM drive by referring to the manual.
Video was exported, but no file is created.	- A still image is attempted to be exported. - A still image cannot be exported with [Exporting programs]. - The play time for the scene is too short. - A scene with short play time (approx. three seconds or less) cannot be exported. - Video of resolution 544 x 480 (or 480 x 480) is attempted to be exported. - Video of resolution 544 x 480 or 480 x 480 cannot be exported with [Use DVD-Video] checked.

■ When recording

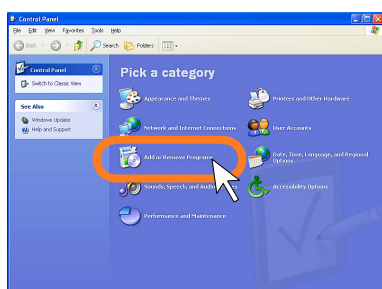
Phenomenon of trouble	Remedy
Though the disc has free space, recording is not allowed.	99 programs have already been recorded on the disc. - Only 99 programs can be recorded per side of a disc. Delete unnecessary programs. - The write-protected disc is set. - Unprotect the disc. - There are no sufficient contiguous record locations on the disc for recording the Video Recording-format data. - To secure the continuity of the data the Video Recording format requires certain contiguous record locations corresponding to each record mode. Deleting a small-size file may not produce sufficient locations for the Video Recording format.
Recording stops.	- This may occur when an excessive load is applied to the CPU. - Do not activate other applications during the recording operation. Exit the other active applications and check your CPU for suitability.
When an AVI file is imported, the message, "As invalid format was found in the files ,the part of the files could not be registered.", is displayed.	Only AVI files in the DV format are supported for file importing.
The actual recording time may be different from the remaining time shown before recording.	The recording time is more or less varied depending on the video to be recorded. Use the recording time indication as an index.
An MPEG file cannot be imported.	When importing a video onto the hard disc, the video must be imported as an MTV-format MPEG file. Otherwise, it cannot be recorded on a DVD-RAM disc. (Read the manual for your MPEG capture board.)

Uninstalling software

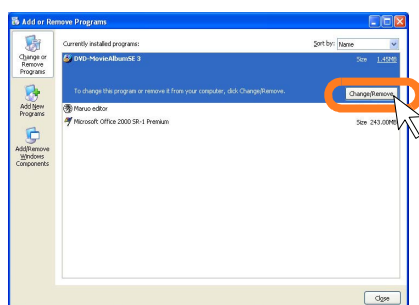
To delete DVD-MovieAlbum installed in your personal computer, uninstall it in the following manner. (The screen display is different depending on OS in use.)

1. Click [Start] - [Control Panel].

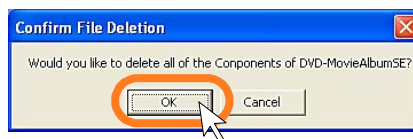
2. Click [Add or Remove Programs].



3. Select [Change or Remove Programs] and click [DVD-MovieAlbumSE 3].

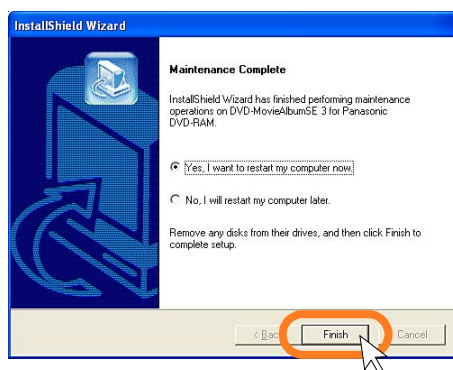


5. The [Confirm File Deletion] screen is displayed. Click in the [OK] button.



- Uninstallation starts.

6. The [Maintenance Complete] screen is displayed. Click in the [Finish] button.



- Ensure to restart the personal computer after uninstallation.

Notes:

- When you use Windows XP/Windows 2000 Professional, install this software after logging ON by setting the user name to [Administrator (or user name having the equivalent authority)].

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